Alberni Valley Community Forest

Engineering Report

CP005

Blocks B11 & B12 ~

Sproat FDU

April 30, 2013

Prepared by:
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and
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Professional Signature: _____ Donna L Underwood 2013.05.08 14:04:23 -07'00'

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Introduction

Meridian Forest Services Ltd. was contracted to provide multiphase development for the Bookhout Creek Area of the Alberni Valley Community Forest (AVCF) tenure. A reconnaissance was conducted in December 2012 to summarize all resource features and determine development opportunities for the area. The following Engineering Report summarizes the engineering specifics related to developing Cutting Permit 005 including Cutblocks B11 and B12. The report includes: a general description of the area, safety highlights, block description, engineering rationale and cruising summary. Related documents including the Harvest Instructions Map can be viewed in the Appendices. Table 1 and 2 below illustrate the general specifics of the area.

Table 1: CP 005 Overview

Attributes	Description
Tenure	K2D, Alberni Valley Community Forest Corporation
General location and Access	Bookhout Creek
Mapsheet	92F025
Forest Region/District	Coast/South Island
Timber Supply Area/Block	Strathcona / B Kyuquot

Table 2: Block B11/ B12 Area Breakdown

	Timbermark	**Gross ha**	**Harvest Area ha**	**Clearcut**	**Partial Cut**	**WTRA**	**TLA**	**Road R/W** (K2D/0R1)
B11	K2D/005	22.8	19.6	11.8	5.2	2.8	0.4	2.6
B12	K2D/005	17.9	15.6	13.4	1.2	2.2	0.1	1.0

* Note: The Road Permit Outside R/W is exclusive of both Blocks, B11 & B12 Gross Harvest Areas.

Safety Highlights

Falling

CP 005 (B11 & B12) can be mechanically felled, for the most part, but hand-falling will be required for areas identified as steep hoe-chuck. The areas exceed the safe working slope guidelines for ground based mechanical harvesters and soils are not conducive to track machinery (shallow soil profile over surface bedrock).

There are several other falling hazards associated with CP005 which include:

- Partial Cut Retention Areas will target 50% basal area remove based with a defined inter-tree spacing. Trees will need to be directionally felled which may brush standing timber or cause canopy disturbance (broken branches) which creates overhead hazards.
- Scattered Root Rot areas have been identified. Timber in these areas exhibit a thinning canopy with a snag component and fallen timber with intact root-balls laying on the forest floor, in no defined direction. Unstable root systems, leaning trees and hung up branches all create an overhead hazard for crews working near these root rot centers.

Falling of Snags & Danger Trees

Due to the minor infestation of root rot in the area there are snags and danger trees in B11 and B12. In accordance with the Cutting Permit Authority and Work Safe BC Regulations, all snags and danger trees that endanger workers within a distance of 50m outside the cutblock boundaries, or within one and a half tree lengths, (whichever is greater), are approved for falling under these harvest instructions. All danger trees and snags outside the cutblock boundaries that are required to be felled must be recorded on a map and provided to AVCF once falling has been completed. AVCF will be notified immediately if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Felled snags and danger trees up to 50m outside of the falling boundary meeting utilization specifications will be recovered.

One falling exception applies to Wildlife Tree Retention Areas (WTRA) - Snags or danger trees can be felled within a WTRA for safety reasons although only the portion of the felled snag or danger tree that falls outside the WTRA can be recovered.

Rainfall Shutdown

CP 005 is within Rainfall Shutdown Area "5".

- Shutdown Criteria: Activities must shut down if: The total rainfall reaches 36 mm in 24 hours. Onsite rain gauges should be used and monitored daily.
- Start- Up Criteria: Activities may start up when the total rainfall is equal to or less than 30 mm in 24 hours. Adequate recovery time should be given before harvesting operations commence after a shutdown.

Recreational Use

The Sproat Lookout Hiking Trail Network lies within the proposed harvest area (see Appendix 2-Harvest Instruction Map). The hiking trail appears to be active and well maintained. An effort was made, during the layout phase, to protect the upper portion of recreational trail. Evidence of all-terrain vehicles (ATV) use was also noted along the hiking trail in and adjacent to B11. Adequate signs are to be posted to inform the public user groups of active blasting, logging and hauling during operations. All harvesting and road operations are to maintain the integrity of the trail network where operationally feasible and ensure no danger trees, snags or debris are left on or surrounding the trails.

The AVCF Sproat Lake FDU is located in provincial hunting region 1-7. Local hunters frequent the area in the fall (Sept 10th – Dec 10th) and spring (April 1st – June 15th) during the hunting season in search for upland game birds, deer, wolf, cougar and bear. During the engineering phase of CP 005 numerous hunters were observed to be using Branch AS12 to access prime hunting areas. Ensure signs are posted at key locations prior to CP 005 development to notify hunters of forest activities in the area.

In the fall, mushroom pickers were also observed utilizing adjacent road systems on AVCF 's tenure to access suitable timber for mushroom harvesting.

Steep Road Grades

Two road segments with gradients greater than 18% exist on B11-S1, stations 0+010 to 0+040 and 1+050 to 1+075 (see Appendix 3 - Road Profiles). Prior to commencing log hauling operations the contractor must perform a risk assessment of the current conditions and adjust hauling activities to fit the traction conditions. Hauling for B11 and B12 will not be permitted when ice and or snow is on the logging roads leading to or in the given setting (very low traction level). This has been determined using FERRIC steep grade descent guidelines. The Ministry of Transportation guidelines are to be followed once hauling on Highway 4.

Steep Slopes in Blocks

The settings are to be both mechanically and hand felled. Hand falling is required for steeper slope areas that cannot be safely reached with the processor. Once felled the proposed harvest areas are to be hoe chucked. Some areas of hoe chuck contain slopes that may exceed ground-based machine capability. These areas have been addressed on the harvest instructions map with a safety hazard alert (areas over 35% -steep hoe chuck). All ground based operations must be conducted in compliance with the Occupational Health and Safety Regulations pertaining to slope limitations. The contractor is to satisfy themselves, by ground inspection that all identified ground based logging areas are operable and can be harvested in a manner the will not compromise worker safety. Old grades and bench are to be utilized to reduce hazards.

Karst Features in B11

There are two confirmed karst sinkholes features located near FC #A and C. These features have been mapped and flagged, and cut out of the falling boundaries to protect workers from injury.

Tenure Holders

Branch AS12 is currently under permit to Western Forest Products ~ Port Alberni Forest Operation (WFP-PAFO). This road is utilized by WFP-PAFO to access their tenure on the south side to Great Central Lake. Industrial road activity on Branch A12 is infrequent but all tenure holders should be proactive in notifying adjacent neighbours of intended activity to ensure the safety of crews, Contractors and members of the general public.

Cutting Permit 005 Overview –Bookhout Creek

Cutting Permit 005 (Blocks B11 & B12) is located approximately 18 km west of Port Alberni in the Sproat Lake Forest Development Unit of the Alberni Valley Community Forest Tenure. Access from Highway 4 is approximately 2.5 km northwest of the junction of the highway and the AW 21 Road. Alternate access is via the Island Timberlands High Level Road system (AS 12) from the Ash Mainline. Refer to Appendix 1 for Overview Map.

Final block selection and layout targeted stands with merchantable volume and size and was based on utilizing ground based harvest systems and existing roads and trails as much as possible. Block boundaries were designed to meet visual quality objectives from Highway 4 and Sproat Lake while not restricting harvest opportunities as well as maintain water quality, biodiversity and recreation opportunities.

Table 3: Cutting Permit Area Attributes

Attributes	Description of Block 11	Description of B12
Stand Composition	Second Growth	Second Growth
General Species Composition	Fd 76%, Hw 14%, Mb 7%, Cw 2%, Dr 1%,	Fd83%Mb8%Cw4%Hw3% Dr2%
General Biogeoclimatic Information	CWHxm2 01(03,05)	CWHxm2 01(03,05)
General terrain (Position, Slope)	Midslope/ southeast aspect	Midslope/ south aspect
Forest Health	Phellinus root rot. See site plans for details.	Phellinus root rot. See site plans for details.
Wind-throw	Low to Moderate risk.	Low to Moderate risk.

B11 Engineering Rationale

Block B11 is situated mid-slope at an elevation range of 240m – 400 m with a southeast aspect. The topography is broken with rock bluffs, bench/bluff features throughout and slopes ranging between 10-55%. There are three streams located in the vicinity of the harvest area including Bookhout Creek, Stream 1 (S2). Stream 1 has been classified as a gully. It is located outside the harvest area and drains into the Taylor Arm Provincial Park. The remaining two streams are classified as S4's as they are located within the Sproat Lake Community Watershed. Falling and skidding across streams 1 and 3 is prohibited. Stream 2 has been prescribed as fall away but it may be yarded across at the designated machine crossings, see Harvest Map for locations. Stream 2 is to be machine cleaned post-harvest.

One Wildlife Tree Retention Areas (WRTA) and four Timbered Leave Areas (TLA) have been established. The WTRA is located along the western boundary adjacent to Bookhout Creek (S2) and contributes to the retention targets and also serve as the Riparian Reserve Zones for the fish bearing stream.

Four TLAs are located within the middle of the block at FC #A, B, C & D. Near these TLA's, at FC #A and FC# C, two karst sinkholes were identified. These areas have been mapped and a falling buffer of approximately 10 m was established around these features**.** TLAs have been established due to the poor timber quality and/ or limited harvest accessibility and the presence of the two karst features. Refer to Harvest Instructions Map for specific locations.

The block includes a Clearcut with Retention Treatment Unit (TU) (11.8 ha) and a Commercial Thinning (partial cutting) TU (5.2 ha). The objective of the commercial thinning treatment patches is to improve the windfirmness of Bookhout Creek, to help provide a visual screen for the hiking trails and to provide for second pass opportunities. The level of retention prescribed is 50% - 359 stems/ha or 225 m3/ha of merchantable timber. The trees to be targeted are the larger dominant trees, suppressed trees and trees with defects including sweeps, forks and crooks. A second pass is planned to remove the remaining 50% in approximately 20-30 years.

This block will be harvested with a ground based system since there are no slopes greater than 60%. All ground-based areas of this block will be machine felled with small areas that may require hand falling due to obstacles such as steep terrain, rock outcrops, and the need to directionally fall timber in narrow corridor.

The western edge of this block is controlled by Bookhout Creek (S2) from FC#6 to FC 14. The eastern edge is controlled by a partial cut area located adjacent to FC#2 to FC# 22 and the 2nd pass polygon located between B11 and B12. The northern boundary of the block is controlled by rock from FC#15 to FC#20, a hiking trail and yarding distance to the north east. In addition, a RRZ has been established around Stream 3 (S4) adjacent to FC 17 and 18 to ensure minimal siltation reaches Bookhout Creek downstream. Finally, the southern boundary is controlled by another 2nd pass polygon between FC#4 to 6.

Table 4: Block B11 Harvest Details

Attributes	Description
Proposed Silviculture System	Clearcut with Retention & Commercial Thinning
Proposed Harvest Method	Ground based

B12 Engineering Rationale

Block B12 is located mid-slope with an elevation range of 280m – 400 m with a southeast aspect. The topography is broken with rock bluffs, bench/bluff features throughout and slopes ranging between 0-60%. There are two streams located in the vicinity of the harvest area including Stream 1 (S3) draining into Sproat Lake and outside of the harvest area, and Stream 2 (S4). Stream 2 is to be fall away, yard away except at the two designated machine crossings, refer to the Harvest Map for locations.

One Wildlife Tree Retention Areas (WRTA) and two small Timbered Leave Areas (TLA) have been established. The WTRA is located along the eastern boundary adjacent to Stream 1 (S3) and contributes to the retention targets and also serve as the Riparian Reserve Zones for fish bearing streams. The two TLAs are located at FC #A and B and have been established due to biological anchors (rock and swamp) which limit machine accessibility. Refer to Harvest Instructions Map for specific locations.

The block includes a Clearcut with Retention Treatment Unit (TU) (13.4 ha) and a Commercial Thinning (partial cutting) TU (1.2 ha). The objective of the commercial thinning treatment patches is to provide a visual screen for the hiking trails and recreationists on Sproat Lake. The level of retention prescribed is 50% -310 stems/ha or 178 m3/ha of merchantable timber. The trees to be targeted are the larger dominant trees, suppressed trees and trees with defects including sweeps, forks and crooks. A second pass is planned to remove the remaining 50% in approximately 20-30 years.

This block will be harvested with a ground based system since there are no slopes greater than 60%. All ground-based areas of this block will be machine felled with small areas that may require hand falling due to obstacles such as steep terrain, rock outcrops, and the need to directionally fall timber in narrow corridor.

The eastern edge is controlled by Creek 1 (S3) which flows directly into Sproat Lake which is 1500m away. The western edge is adjacent to a 100 metre wide 2nd pass polygon. The timber is of equal quality

on both sides of the proposed falling boundary. The northern boundary is controlled by rock, and smaller wood. The southern boundary is controlled by another 2nd pass polygon as well as rock.

Table 5: Block B12 Harvest Details

Attributes	Description
Proposed Silviculture System	Clearcut with Retention & Commercial Thinning
Proposed Harvest Method	Ground based

Cruising

CP 005 was cruised to Ministry of Forests Standards with full measure and count plots established on a 100m x 100m cruise grid. This methodology resulted in a total of 41 plots (22 plots (B11) + 19 plots (B12)) for an average of 1.0 plot per hectare and an average of 4.4 cruised trees per plot. Both B11 and B12 were compiled as two separate timber types. The blocks were then re-compiled to factor in the partial cut areas. The following table summarizes the results of the Cruise Plan when the partial cut areas are accounted for (the actual percentage of volume that will be harvested from the gross harvest area exclusive of outside RW):

Table 2: Cruise Summary

Attributes	B11	B12
Gross Harvest Area	19.6 ha	17.8 ha
Species Composition	Fd 76%, Hw 14%, Mb 7%, Cw 2%, Dr 1%,	Fd83%, Mb8%, Cw4%, Hw3% Dr2%
Avg. M3/Ha	394 m3/ha	355 m3/ha
Cruised Harvest Volume	7719m^3 (excluding outside R/W)	5497m^3 (excluding outside R/W)

Refer to Appendix 4 for the full Cruise Report and The Leave Tree Report. Cruise plan maps and cards are not required for appraisal purposes but are retained on file and are available upon request.

Appendices

Appendix 1: Blocks B11 and B12 Overview Map

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

Forest and Range Practices Act

How to follow plan:

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2) Always match your plan and map to what you find on the ground and then check that you can do the work.
3) Stop and ask if you cannot follow the plan and map.
4) Know your responsibilities. Ask if you are unsure.

Due Dilligence means following these steps.

Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

ALBERNI VALLEY COMMUNITY FOREST

OVERVIEW MAP

Cutblock: B11, B12

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 31"
Long: 125° 02' 26"
Author: B. Bayley
Map Date: 13-Feb-2013

Scale: 1:20,000
Datum: NAD83
Mapsheet: 92F.025
Map Revision: 1b
Revised Date: 25-Apr-2013

See Instructions on reverse

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested
Legal Boundary
Pruning
Feathering

Road Features:
Built Road
Deactivated Road
Proposed Road
Backspar Trail
Access Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced

Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff/Outcrop
Karst Feature

Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaelogical Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour

Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID

Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Special Management Zone

SAFETY COORDINATES:
Lat: 49° 17' 31"
Long: 125° 02' 26"

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	
Internal Boundaries	FALLING BOUNDARY	
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	
Management Zones (All)		
Reserve Trees (Painted)	L	

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MAP 1 of 1 | **Cutting Permit: NO.5** | **Road Permit: R18553** | **B11 - Bookhout Creek**

Appendix 2: Blocks B11 and B12 Harvest Instruction Maps

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

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Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	●
Internal Boundaries	FALLING BOUNDARY	●
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	●
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	●
Management Zones (All)		
Reserve Trees (Painted)	L	●

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

SAFETY COORDINATES:
Lat: 49° 17' 31"
Long: 125° 02' 26"

ALBERNI VALLEY COMMUNITY FOREST

HARVEST INSTRUCTIONS MAP

Cutblock: B11

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 31"
Long: 125° 02' 26"
Author: B. Bayley
Map Date: 29-Apr-2013

Scale: 1:5,000
Datum: NAD83
Mapsheet: 92F.025
Map Revision: 1a
Revised Date: 07-May-2013

See Instructions on reverse

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested
Legal Boundary
Pruning
Feathering

Road Features:
Built Road
Deactivated Road
Proposed Road
Future Road
Access Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced

Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Karst Feature

Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaelogical Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour

Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID

Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Special Management Zone

Prepared By:
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Coombs, BC V0R 1M0
www.meridianforest.ca

Harvest Methods:
Grapple
Hoe Forward
Hoechuck
Helicopter
Steep Hoechuck
Right-of-Way
Partial Cut Areas

Yarding Features:
Backspar Tree
Sensitive Soils
Heli Drop Zone
Steep Grade
Yarding Direction
Ridge/Yarding Break

HAZARD ALERT

1) Scattered areas of greater than 40% slope exists. Assess for machine viability and the need for hand falling.

2) Hauling Hazard - Steep road grades. Review the Steep Grade Assessment on the back of the release map for hauling limitations.

Falling Type	Ha	Volume
Handfalling	0	0
Mechanical	19.6	7719
TOTAL	19.6	7719
CRUISE VOL/HA (m3)		394
ENG VOL/HA (m3)		394
HAUL DISTANCE		
SPROAT SORT		21.9km
Distance to Post Office Port Alberni		23.5km
Travel Time from Port Alberni		25min

HARVEST METHODS		
System	Ha	Volume
R/W	2.6	1019.0
W R/W	0.0	0.0
Hoe Chuck	11.8	5530.0
Partial Cut	5.2	1170.0
Helicopter	0.0	0.0
Skidder	0.0	0.0
Harvest Area	19.6	7719.0
R/W Removed	0.0	
WTRA	2.8	
TLA	0.4	
Gross Area	22.8	7719.0

VOLUME BY TIMBERMARK			
Timbermark	Type	Ha	Vol
K2D / 005	CROWN	17.0	6700.0
K2D/0R1	R/W	2.6	1019.0
		0.0	0.0
		0.0	0.0
	TOTAL	19.6	7719.0
Field Work:	MFS		Feb-13
Checked By:	AVCF		
AVCF CORP:		Date:	
CONTRACTOR:		Date:	

Species	%
Fd	76%
Hw	14%
Hm	0%
Cw	2%
Ac	0%
Dr	1%
Mb	7%
Total	100%
OG	0%
SG	100%

PROFESSIONAL SEAL AND SIGNATURE

Andrew Kenyon
2013.05.08
14:05:25
-07'00'

I certify that I have reviewed this document, and while I did not personally supervise the work described, I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.

AVCF CORP: DATE:

MAP 1 of 1 | **Cutting Permit: 005** | **Road Permit: R18553** | **B11 - BOOKHOUT CREEK**

Due Diligence

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Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	
Internal Boundaries	FALLING BOUNDARY	
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	
Management Zones (All)		
Reserve Trees (Painted)	L	

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

SAFETY COORDINATES:
Lat: 49° 17' 38"
Long: 125° 02' 21"

K2D 0R1

K2D

Hammermark for R/W only

AVCF Blk: B11

B11-S1

B11-S2

TF21B

TF31E

BP27

ALBERNI VALLEY COMMUNITY FOREST

HARVEST INSTRUCTIONS MAP

Cutblock: B12

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 38"
Long: 125° 02' 21"
Author: B. Bayley
Map Date: 09-Apr-2013

Scale: 1:5,000
Datum: NAD83
Mapsheet: 92F.025
Map Revision: 1a
Revised Date: dd-mmm-yyyy

See Instructions on reverse

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested
Legal Boundary
Pruning
Feathering

Road Features:
Built Road
Deactivated Road
Proposed Road
Backspar Trail
Access Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced

Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Karst Feature

Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaelogical Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour

Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID

Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Special Management Zone

Falling Type	Ha	Volume
Handfalling	0	0
Mechanical	15.6	5497
TOTAL	15.6	5497
CRUISE VOL/HA (m3)		355
ENG VOL/HA (m3)		355
HAUL DISTANCE		
SPROAT SORT		22.2km
Distance to Post Office Port Alberni		23.8km
Travel Time from Port Alberni		28min

HARVEST METHODS		
System	Ha	Volume
R/W	1.0	355.0
W R/W	0.0	0.0
Hoe Chuck	13.4	4757.0
Partial Cut	1.2	213.0
Helicopter	0.0	0.0
Skidder	0.0	0.0
Harvest Area	15.6	5328.0
Outside R/W	0.5	169.0
WTRA	2.2	
TLA	0.1	
Gross Area	17.9	5497.0

VOLUME BY TIMBERMARK			
Timbermark	Type	Ha	Vol
K2D/005	CROWN	14.6	5226.8
K2D/0R1	R/W	1.0	358.0
K2D/0R1	Outside R/W	0.5	169.0
		0.0	0.0
	TOTAL	16.1	5497.0
Field Work:	MFS		
Checked By:	AVCF		
AVCF CORP:		Date:	
CONTRACTOR:		Date:	

Species	%
Fd	83%
Mb	8%
Hm	0%
Cw	4%
Yc	0%
Hw	3%
Dr	2%
Total	100%
OG	0%
SG	100%

PROFESSIONAL SEAL AND SIGNATURE

REGISTERED PROFESSIONAL FORESTER PROVINCE OF BRITISH COLUMBIA ANDREW KENYON NO. 4759

Andrew Kenyon
2013.05.08
14:05:46
-07'00'

I certify that I have reviewed this document, and while I did not personally supervise the work described, I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.

AVCF CORP: DATE:

Harvest Methods:
Grapple
Hoe Forward
Hoechuck
Helicopter
Steep Hoechuck
Right-of-Way
Widening

Yarding Features:
Machine Crossing
Backspar Tree
Sensitive Soils
Heli Drop Zone
Steep Grade
Yarding Direction
Ridge/Yarding Break

Prepared By:
MERIDIAN Forest Services Ltd.
PO Box 275
#15-1010 Shearme Road
Coombs, BC V0R 1M0
www.meridianforest.ca

MAP 1 of 1 | **Cutting Permit: 005** | **Road Permit: R18553** | **B12**

Appendix 3: Blocks B11 and B12 Harvest Instructions

HARVESTING INSTUCTIONS – OPENING#B11

ACCESS ROAD: B11-S1 **CUTTING PERMIT: N0. 5** **TIMBERMARK: K2D 005**

EMPLOYEE REQUIREMENTS

1) All employees, supervisors and contractors associated with this Logging Plan approval shall be fully advised of its contents and requirements.
2) All litter including cable, oil buckets, grease tubes, newspapers and lunch garbage is to be removed from the site and disposed of appropriately.

WATER QUALITY

1) The overall objective of this cutblock is timber harvesting without impacting the water quality.
2) All ditches and culverts **must** remain as free flowing as possible through all phases of harvesting.
3) Cutblock B11 is within Rainfall Shutdown Area "**5**"
Shutdown Criteria: Activities must shut down if: The total rainfall reaches 36mm in 24 hours. Onsite rain gages should be used and monitored daily.
Start-Up Criteria: Activities may start-up when: The total rainfall is equal to or less than 30mm in 24 hours. Refer to the Return to work guide in the tender document for more information.

Foresty

1) Invasive Plants: Broom occurs along sections of the high way on route to the setting. Follow FSP measures for invasive plants. Cut and remove plants in association with road reactivation, clean machinery as required. Monitor and treat broom and other invasive species during early establishment. Grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest.

FIRST NATIONS

1) This cutblock is in the Hupacusath traditional territory. If any additional potential culturally modified tree (CMT) (whether live or dead and standing or fallen) or any other cultural feature is encountered within the opening during any harvesting phase, operations will cease in the immediate vicinity of the CMT or cultural feature. Hupacusath First Nations is to be notified immediately upon discovery of any potential CMT or cultural feature.

FALLING of SNAGS and DANGER TREES

1) In accordance with the WCB Regulations, snags and danger trees within the cutblock and outside the cutblock boundaries for a distance of not more than 50 meters that endanger workers are approved for falling under the logging plan for this cutblock. Danger trees and snags outside this 50 meter hazard area that are required to be felled should be recorded on a map for future reference. Sanitation falling will proceed if the occasional stem is required to be removed along the cutblock boundary. The Ministry of Forests will be notified if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Snags and danger trees meeting utilization specifications will be recovered.
2) If a bear den or raptor nest is encountered during falling operations, the tree will be reserved from falling along with a protection patch of timber surrounding it. AVCF is to be notified immediately. If the bear den tree is partially cut operations will proceed in conformance with WCB regulations.
3) Wildlife tree patches have been established, and are marked on the 1:5000 map. Any danger trees felled within the WTP will be left as Coarse Woody Debris.

CUTBLOCK BOUNDARY TREATMENTS

1) All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees adjacent to edges that cannot be felled into the setting will require approval from AVCF prior to falling. AVCF is to be notified immediately.
2) Leave trees may be substituted if, for safety reasons, a faller feels it is necessary to do so, but alternate leave trees must be retained and should be well rooted and of the same species and diameter

YARDING and LOADING PRESCRIPTIONS

1) No roadside landing of logs within 3 meters of any streambank along all roadsides. All drainage structures will be maintained and remain functional.
2) Avoid excessive ground lead gouging due to surface erosion potential. If soil disturbance occurs, then grass seeding will be required.
3) During the bark peeling stage of growth, the tree bole is highly susceptible to damage. Contact with retention trees during harvesting operation should be avoided between April 1 st and June 15 th.
4) Leave trees may be substituted if, for safety reasons, a faller feels it is necessary to do so, but alternative trees must be retained and should be well rooted and of the same species, diameter and vigor.
5) No more than 10% of the retention trees in the aggregate or dispersed retention areas or single retention trees in this cutblock may have significant damage.
Significant damage to Hw, Fd, and Cw is defined as a tree with:
One or more wounds (i.e. exposed cambium) that girdle more than 1/3 the circumference of the stem.
Any wounds on a supporting root within one metre of the stem. A gouge – a wound that penetrates (splintered) into the sapwood or deeper.
Additionally, for Hw and Cw only: A wound >400cm^2 on the stem.

SAFETY

Road and in-block safety hazards associated with block B11 have been identified on the harvest and road instruction maps. In the event additional in-block safety hazards (temporary or permanent) are encountered or develop during road construction or harvesting phases, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to AVCF (using Hazard/Issue Report Form).

STEEP GRADES

Road segments with gradients > 18% have been identified on the Harvest and Road instruction Plan Map. Prior to commencing log hauling operations the contractor must perform a risk assessment of the current conditions and adjust hauling activities to suit the traction conditions. Hauling for B11 will not be permitted when ice and or snow is on the logging roads leading to or in the given setting (very low traction level). This has been determined using FERRIC step grade decent guidelines. The Ministry of Transportation guidelines are to be followed when hauling on the highway.

SPECIFIC BLOCK COMMENTS

MACHINE OPERATORS WILL MONITOR SOILS FOR COMPACTION DURING RAIN EVENTS, AND MOVE TO DRIER AREAS WITHIN THE CUTBLOCK SHOULD COMPACTION AND/OR RUTTING OCCUR. NOTE THE SENSITIVE SOILS AREAS HIGHLIGHTED ON THE HARVEST PLAN MAP.

HARVESTING ISSUES

MACHINE OPERATORS SHOULD BE AWARE OF STEEP HOE CHUCK AREAS, SMALL ROCK OUTCROPS AND SENSITIVE AREAS ALONG THE FALLING BOUNDARY. ALL THESE AREAS ARE IDENTIFIED ON THE HARVESTING MAP.

E.1 RIPARIAN MANAGEMENT STRATEGIES

Creek I.D.	CLASS	MANAGEMENT STRATEGIES FOR RIPARIAN MANAGEMENT ZONES (RMZ) INCLUDING PROTECTING STREAM
	NCD	- NCD(s) within the harvest area will be FX and YX. No RMZ is required. - Note all streams lie within the Sproat Lake Community Watershed, minimize sedimentation at all costs.
		STREAM REACH AND RMA IS OUTSIDE OF THE HARVEST AREA
		STREAM REACH OUTSIDE HARVEST AREA, PORTIONS OF THE RMA WITHIN THE HARVEST AREA
1 (Bookhout)	S2	FA YA, NC
2	S3	FA YA, MC
3	S4	FA YA, NC
		PORTIONS OF STREAM REACH AND RMA ARE WITHIN THE HARVEST AREA
	AC	Cleaning to be assessed post-yarding prior to block completion.
	FA/BL	Fall Away. Timber is to be felled away. Leaners and hazard trees that cannot be safely felled away shall be felled and left bridging the stream.
	FA	Fall Away. Timber is to be felled away.
	YA	Yard Away. Timber is to be yarded away. In order to improve deflection, cables are allowed to be suspended above the stream. **Non-fish streams**: merchantable leaners and danger trees that have been felled across the stream will, by necessity, be yarded across the stream. **Fish streams**: Leaners and danger trees which have been felled across the stream will be left unless detrimental to the stream.
	HH	100% harvested (no retention of saplings)
	RS	Retain saplings on the streambanks (non-merchantible)
	FE	Feathered edge.
	BPT	Blue painted trees (selected for removal). Faller's choice of alternate tree if unable to fall painted tree safely.
	NHZ	No harvest zone. Trees are to be felled away from the zone. Safe trees that cannot be felled away are to be left as part of the NHZ. Danger trees **must** be felled and will be left for future LWD or be removed if detrimental to the stream.
	FX	Fall Across.
	YX	Yard Across. Maximize deflection to minimize stream bank disturbance.
	YV	Yard vertically.
	MFZ	Machine free zone.
	MC	Machine Clean transportable introduced large woody debris (LWD) and accumulations concurrent with yarding.
	HC	Hand Clean introduced transportable debris.

HARVESTING INSTUCTIONS – OPENING #B12

ACCESS ROAD: B11-S1 **CUTTING PERMIT: N0. 5** **TIMBERMARK: K2D 005**

EMPLOYEE REQUIREMENTS

1) All employees, supervisors and contractors associated with this Logging Plan approval shall be fully advised of its contents and requirements.
2) All litter including cable, oil buckets, grease tubes, newspapers and lunch garbage is to be removed from the site and disposed of appropriately.

WATER QUALITY

1) The overall objective of this cutblock is timber harvesting without impacting the water quality.
2) All ditches and culverts **must** remain as free flowing as possible through all phases of harvesting.
3) Cutblock B12 is within Rainfall Shutdown Area "**5**"
Shutdown Criteria: Activities must shut down if: The total rainfall reaches 36mm in 24 hours. Onsite rain gages should be used and monitored daily.
Start-Up Criteria: Activities may start-up when: The total rainfall is equal to or less than 30mm in 24 hours. Refer to the Return to work guide in the tender document for more information.

Foresty

1) Invasive Plants: Broom occurs along sections of the high way on route to the setting. Follow FSP measures for invasive plants. Cut and remove plants in association with road reactivation, clean machinery as required. Monitor and treat broom and other invasive species during early establishment. Grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest.

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Any wounds on a supporting root within one metre of the stem. A gouge – a wound that penetrates (splintered) into the sapwood or deeper.
Additionally, for Hw and Cw only: A wound >400cm^2 on the stem.

SAFETY

Road and in-block safety hazards associated with block B12 have been identified on the harvest and road instruction maps. In the event additional in-block safety hazards (temporary or permanent) are encountered or develop during road construction or harvesting phases, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to AVCF (using Hazard/Issue Report Form).

STEEP GRADES

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		STREAM REACH OUTSIDE HARVEST AREA, PORTIONS OF THE RMA WITHIN THE HARVEST AREA
1	S3	FA YA, NC
		PORTIONS OF STREAM REACH AND RMA ARE WITHIN THE HARVEST AREA
2	S4	FA YA except and designated machnine crossings MC
	AC	Cleaning to be assessed post-yarding prior to block completion.
	FA/BL	Fall Away. Timber is to be felled away. Leaners and hazard trees that cannot be safely felled away shall be felled and left bridging the stream.
	FA	Fall Away. Timber is to be felled away.
	YA	Yard Away. Timber is to be yarded away. In order to improve deflection, cables are allowed to be suspended above the stream. **Non-fish streams**: merchantable leaners and danger trees that have been felled across the stream will, by necessity, be yarded across the stream. **Fish streams**: Leaners and danger trees which have been felled across the stream will be left unless detrimental to the stream.
	HH	100% harvested (no retention of saplings)
	RS	Retain saplings on the streambanks (non-merchantible)
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	BPT	Blue painted trees (selected for removal). Faller's choice of alternate tree if unable to fall painted tree safely.
	NHZ	No harvest zone. Trees are to be felled away from the zone. Safe trees that cannot be felled away are to be left as part of the NHZ. Danger trees **must** be felled and will be left for future LWD or be removed if detrimental to the stream.
	FX	Fall Across.
	YX	Yard Across. Maximize deflection to minimize stream bank disturbance.
	YV	Yard vertically.
	MFZ	Machine free zone.
	MC	Machine Clean transportable introduced large woody debris (LWD) and accumulations concurrent with yarding.
	HC	Hand Clean introduced transportable debris.

Appendix 4: Blocks B11 and B12 Cruise Reports

ALBERNI VALLEY COMMUN FOREST

K2D - CP# 000

Bookhout Creek
Block #: B11

SUMMARY OF VOLUMES (loss factors)
F U L L V O L U M E S A P P L I E D

10-Mar-2013 09:52:27PM

Cruised by: CONTOUR FOREST CONSULTANTS INC
Compiled by: F. Warren and Associates Ltd

Appraisal Summary Report

10-Mar-2013 09:52:27PM

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11
Location : Bookhout Creek

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage
No Of Blocks : 1

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Net Area: [All Treatment Units : 19.6]

All Method Summary

Algorithm Grades % Code	Species Description	H	I	J	U	X	Y	Net Volume (m3) All	Live	DP	Net Volume / ha All	Live	DP
CE	Cedar			93	4	3		156	156	0	7.956	7.956	0.000
FI	Doug-Fir	4		72	23	1		6895	6755	140	351.778	344.618	7.160
HE	Hemlock		4	57	18	21		1092	1092	0	55.732	55.732	0.000
AL	Alder						100	110	110	0	5.601	5.601	0.000
CO	Cottonwood						100	57	57	0	2.897	2.897	0.000
MA	Maple				6		94	579	579	0	29.556	29.556	0.000
	Total							8889	8749	140	453.520	446.360	7.160

Harvesting Method Summaries

Harvest Method	Net Volume	Net Vol /10m Log	Net Vol /Hectare	Hem+ Bal%	Partial Cut%	Slope%	Down Tree%	Heavy Fire%
SC	8889	0.31	453.520	12		35	1	0
Conventional Methods	8889	0.31	453.520	12		35	1	0
All Methods	8889	0.31	453.520	12			1	0

Cutting Authority

95% Confidence Interval	21.2
Plots/Ha	1.0
Cruised Trees/Plot	5.7
Net 2nd Growth-Conifer %	100.0
Net 2nd Growth-Conifer (m3)	8143
Net Immature by Block %	001: 92%
Non Heli Select Conifer (m3/ha)	415.47
Heli Select Total (decimal)	0.00
Heli+Skyline Total (decimal)	0.00
Piece Size - Conifer (m3/10m log)	0.32

Plots: 20 # <= 5yrs: 20 # > 5yrs: 0 # > 10yrs: 0 # no date: 0

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

CruiseComp Copyright© 1996-2012, Industrial Forestry Service Ltd.

Volume Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Net Volume m3/ha	Proportional Volume	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd	0	13	13	14.4	454.8	0.74	0	74	74	199.1793	43.8	12.1	26.5
2 :Fd	0	7	7	5.2	450.0	0.26	0	38	38	208.5073	46.3	17.5	42.9
TOTAL	0	20	20	19.6	453.5		0	112	112		45.0	10.1	21.2

Number of live & dead potential trees sampled is 112
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 1

The weighted sampling error is 21.2% at the 95% confidence level

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Basal Area Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Basal Area m2/ha	Proportional Basal Area	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd	0	13	13	14.4	51.2	0.74	0	74	74	17.3837	33.9	9.4	20.5
2 :Fd	0	7	7	5.2	48.9	0.26	0	38	38	23.1548	47.4	17.9	43.8
TOTAL	0	20	20	19.6	50.6		0	112	112		37.4	8.4	17.6

Number of live & dead potential trees sampled is 112
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 1

The weighted sampling error is 17.6% at the 95% confidence level

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Map Area Statement Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Card A Cruise Identity

Licence #	: K2D	Cutting Permit #	: 000
Number of Blocks	: 1	Forest Region	: Coastal
Forest District	: South Island	Type	: PSYU
Unit No	: Nootka	Tenure	: T.F.L. Cutting Permit (COAST)
Quota	: Prop./Mngd.PSYU,TFL,or SSA	Sale Type	: None
Elevation	: 0	Co-ordinates Zone	: Unknown
East	: 0	North	: 0
Total Merch Area	: 19.60	Report Type	: *** FOR APPRAISAL PURPOSES ***
Locality	: Bookhout Creek		

Card B Compilation Standard

Damage	: Damage	Selective	: Compile All Trees
Double Sampling	: Measure Plots Only	Special Compilation	: No Special Compilation
Species Compilation	: Exceptions Not Used	Type of Compilation	: Coastal

Compilation Standard	Mature	Immature
DBH Limit	17.50	12.00
Stump Height	30	30
Top Diameter	15.00	10.00

Card C Type Description

Type	Description	A	Silvicultural Treatment Units B
1	Fd	14.4	
2	Fd		5.2

Card D Block Description

Block	Description	Maturity	Type	A	Silvicultural Treatment Units B
001	B11	I	1	14.4	
			2		5.2

Card F Harvesting Description

Harvest Method	Harvest Description	Type	A	Silvicultural Treatment Units B
SC	Ground Systems - Clearcut	1	14.4	
		2		5.2

Card G Treatment Unit Description

Treatment Unit	Description
A	A 100% Cut
B	B 50% Cut

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

CruiseComp Copyright© 1996-2012, Industrial Forestry Service Ltd.

All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	9323	8484	7182	164	1138	67	116	656
Net Merchantable	m3	8889	8143	6895	156	1092	57	110	579
Net Merch - All	m3/ha	453.520	415.465	351.778	7.956	55.732	2.897	5.601	29.556
Net Merch - Live	m3/ha	446.360	408.306	344.618	7.956	55.732	2.897	5.601	29.556
Net Merch - DP	m3/ha	7.160	7.160	7.160					
Decay	%	1					10	0	7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.67	1.88	0.25	0.45
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.34	0.66	0.20	0.22
Useless Dead/Living	%	4	4	5					
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	3	4	4					
#3 Sawlog	I	1	1			4			
#4 Sawlog	J	64	69	72	93	57			
#5 Utility	U	21	22	23	4	18			6
#6 Utility	X	3	4	1	3	21			
#7 Chipper	Y	8					100	100	94

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	454.795	417.776	336.077	10.829	70.870			37.019
Net Merch - Live	m3/ha	445.050	408.031	326.332	10.829	70.870			37.019
Net Merch - DP	m3/ha	9.745	9.745	9.745					
Decay	%	1							7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4			12
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Useless Dead/Living	%								
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	2	3	3		
#4 Sawlog	J	66	71	74	93	58
#5 Utility	U	20	21	22	4	20
#6 Utility	X	4	5	1	3	22
#7 Chipper	Y	8				100

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	2451	2216	2141		75	67	116	52
Net Merchantable	m3	2340	2127	2055		72	57	110	46
Net Merch - All	m3/ha	449.989	409.066	395.255		13.811	10.920	21.112	8.890
Net Merch - Live	m3/ha	449.989	409.066	395.255		13.811	10.920	21.112	8.890
Net Merch - DP	m3/ha								
Decay	%	0					10	0	6
Waste(billing)	%								
Total Cull (DWB)	%	5	4	4		4	15	5	11
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Useless Dead/Living	%	12	15	15					
Net Second Growth	%		100.0	100.0		100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%								
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[All Treatment Units : 19.6]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	9323	8484	7182	164	1138	67	116	656
Net Merchantable	m3	8889	8143	6895	156	1092	57	110	579
Net Merch - All	m3/ha	453.520	415.465	351.778	7.956	55.732	2.897	5.601	29.556
Net Merch - Live	m3/ha	446.360	408.306	344.618	7.956	55.732	2.897	5.601	29.556
Net Merch - DP	m3/ha	7.160	7.160	7.160					
Decay	%	1					10	0	7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.67	1.88	0.25	0.45
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.34	0.66	0.20	0.22
Useless Dead/Living	%	4	4	5					
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								
% Average Slope		35							
Algorithm Grades %									
#2 Sawlog	H	3	4	4					
#3 Sawlog	I	1	1			4			
#4 Sawlog	J	64	69	72	93	57			
#5 Utility	U	21	22	23	4	18			6
#6 Utility	X	3	4	1	3	21			
#7 Chipper	Y	8					100	100	94

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	454.795	417.776	336.077	10.829	70.870			37.019
Net Merch - Live	m3/ha	445.050	408.031	326.332	10.829	70.870			37.019
Net Merch - DP	m3/ha	9.745	9.745	9.745					
Decay	%	1							7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4			12
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Useless Dead/Living	%								
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	2	3	3		
#4 Sawlog	J	66	71	74	93	58
#5 Utility	U	20	21	22	4	20
#6 Utility	X	4	5	1	3	22
#7 Chipper	Y	8				100

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	2451	2216	2141		75	67	116	52
Net Merchantable	m3	2340	2127	2055		72	57	110	46
Net Merch - All	m3/ha	449.989	409.066	395.255		13.811	10.920	21.112	8.890
Net Merch - Live	m3/ha	449.989	409.066	395.255		13.811	10.920	21.112	8.890
Net Merch - DP	m3/ha								
Decay	%	0					10	0	6
Waste(billing)	%								
Total Cull (DWB)	%	5	4	4		4	15	5	11
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Useless Dead/Living	%	12	15	15					
Net Second Growth	%		100.0	100.0		100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%								
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [All Treatment Units : 19.6]
Gross Area: [TLA : 0.3][Grand Total : 19.9]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	9323	8484	7182	164	1138	67	116	656
Net Merchantable	m3	8889	8143	6895	156	1092	57	110	579
Net Merch - All	m3/ha	454	415	352	8	56	3	6	30
Distribution	%	100	92	78	2	12	1	1	7
Decay	%	1					10	0	7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4	5	5	5
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Stems/Ha (Live & DP)		718.0	628.7	537.2	8.2	83.3	1.5	22.7	65.1
Avg DBH (Live & DP)	cm	30.0	30.6	30.7	39.8	28.8	53.1	19.6	25.8
Snags/Ha		26.9	26.9	26.9					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.69	0.68	1.02	0.70	2.21	0.26	0.51
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.67	1.88	0.25	0.45
Avg Weight Total Ht	m	28.9	28.9	29.1	26.2	28.0	30.2	22.0	28.9
Avg Weight Merch Ht	m	23.2	23.6	23.9	21.5	21.6	24.6	14.6	20.5
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.34	0.66	0.20	0.22
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.34	0.74	0.20	0.24
Avg # of 10.0 m Logs/Tree		2.11	2.13	2.14	2.35	2.07	3.00	1.31	2.18
Net Immature	%	91.6	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	3	4	4					
#3 Sawlog	I	1	1			4			
#4 Sawlog	J	64	69	72	93	57			
#5 Utility	U	21	22	23	4	18			6
#6 Utility	X	3	4	1	3	21			
#7 Chipper	Y	8					100	100	94
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9	314.7	170.5	447.2	447.2	413.1
Two Standard Error	%	21.2	21.6	24.4	147.9	80.1	210.1	210.1	194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9	314.7	170.5			413.1
Two Standard Error	%	21.2	21.6	24.4	147.9	80.1			194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	2451	2216	2141		75	67	116	52
Net Merchantable	m3	2340	2127	2055		72	57	110	46
Net Merch - All	m3/ha	450	409	395		14	11	21	9
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		717.5	593.8	587.8		5.9	5.8	85.6	32.3
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9		170.5	447.2	447.2	413.1
Two Standard Error	%	21.2	21.6	24.4		80.1	210.1	210.1	194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]
Gross Area: [TLA : 0.3][Grand Total : 19.9]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	9323	8484	7182	164	1138	67	116	656
Net Merchantable	m3	8889	8143	6895	156	1092	57	110	579
Net Merch - All	m3/ha	454	415	352	8	56	3	6	30
Distribution	%	100	92	78	2	12	1	1	7
Decay	%	1					10	0	7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4	5	5	5
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Stems/Ha (Live & DP)		718.0	628.7	537.2	8.2	83.3	1.5	22.7	65.1
Avg DBH (Live & DP)	cm	30.0	30.6	30.7	39.8	28.8	53.1	19.6	25.8
Snags/Ha		26.9	26.9	26.9					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.69	0.68	1.02	0.70	2.21	0.26	0.51
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.67	1.88	0.25	0.45
Avg Weight Total Ht	m	28.9	28.9	29.1	26.2	28.0	30.2	22.0	28.9
Avg Weight Merch Ht	m	23.2	23.6	23.9	21.5	21.6	24.6	14.6	20.5
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.34	0.66	0.20	0.22
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.34	0.74	0.20	0.24
Avg # of 10.0 m Logs/Tree		2.11	2.13	2.14	2.35	2.07	3.00	1.31	2.18
Net Immature	%	91.6	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	3	4	4					
#3 Sawlog	I	1	1			4			
#4 Sawlog	J	64	69	72	93	57			
#5 Utility	U	21	22	23	4	18			6
#6 Utility	X	3	4	1	3	21			
#7 Chipper	Y	8					100	100	94
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9	314.7	170.5	447.2	447.2	413.1
Two Standard Error	%	21.2	21.6	24.4	147.9	80.1	210.1	210.1	194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics
Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9	314.7	170.5			413.1
Two Standard Error	%	21.2	21.6	24.4	147.9	80.1			194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics

Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	2451	2216	2141		75	67	116	52
Net Merchantable	m3	2340	2127	2055		72	57	110	46
Net Merch - All	m3/ha	450	409	395		14	11	21	9
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		717.5	593.8	587.8		5.9	5.8	85.6	32.3
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	45.0	45.9	51.9		170.5	447.2	447.2	413.1
Two Standard Error	%	21.2	21.6	24.4		80.1	210.1	210.1	194.1
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics

Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	43.8	42.3	47.4	253.8	144.9			360.6
Two Standard Error	%	26.5	25.6	28.7	153.4	87.6			217.9
Number and Type of Plots		MP = 13							
Number of Potential Trees		74							
Plots/Ha		0.9							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	2451	2216	2141		75	67	116	52
Net Merchantable	m3	2340	2127	2055		72	57	110	46
Net Merch - All	m3/ha	450	409	395		14	11	21	9
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		717.5	593.8	587.8		5.9	5.8	85.6	32.3
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	46.3	55.7	62.3		264.6	264.6	264.6	264.6
Two Standard Error	%	42.9	51.5	57.6		244.7	244.7	244.7	244.7
Number and Type of Plots		MP = 7							
Number of Potential Trees		38							
Plots/Ha		1.3							
Cruised Trees/Plot		5.6							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.4				15.8		88.1			26.9
20	68.4		16.2			29.8	114.4			
25	179.0		32.1		6.9	8.6	226.6			
30	43.2		7.1			21.0	71.3	8.3		
35	49.1	5.3	22.1			5.7	82.3			
40	41.2		4.2				45.4	4.0		
45	47.0	2.9					49.9			
50	8.8						8.8			
55	9.9		1.6	1.5			13.0			
60	2.9						2.9			
65	1.1						1.1			
70	1.8						1.8			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	524.8	8.2	83.3	1.5	22.7	65.1	705.7			
Dead P	12.4							12.4		
Dead U										
Live U	26.9									26.9
			Average DBH(cm) at 5 Levels							
12.5 +	30.7	39.8	28.8	53.1	19.6	25.8	29.9	32.4		12.7
17.5 +	32.4	39.8	28.8	53.1	25.0	25.8	31.4	32.4		
22.5 +	34.1	39.8	30.5	53.1	25.0	29.3	33.4	32.4		
27.5 +	40.4	39.8	35.1	53.1		31.2	39.0	32.4		
32.5 +	42.8	39.8	36.3	53.1		33.6	41.7	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.8				59.4		132.2			101.5
20	76.8						76.8			
25	220.3				26.2	32.3	278.8			
30	50.7						50.7			
35	69.7						69.7			
40	29.6						29.6			
45	33.6						33.6			
50	13.3						13.3			
55	5.8		5.9	5.8			17.5			
60	4.4						4.4			
65	4.0						4.0			
70	6.8						6.8			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	587.8		5.9	5.8	85.6	32.3	717.5			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	7.9				2.5		10.4			
20	14.9		3.5			8.0	26.4			
25	72.2		14.3		3.1	2.4	91.9			
30	26.4		5.6			14.3	46.3	3.6		
35	43.8	2.9	22.2			4.9	73.9			
40	50.2		6.5				56.6	3.6		
45	68.7	5.0					73.7			
50	18.6						18.6			
55	22.9		3.7	2.9			29.5			
60	8.2						8.2			
65	3.7						3.7			
70	7.2						7.2			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	344.6	8.0	55.7	2.9	5.6	29.6	446.4			
Dead P	7.2							7.2		
Total Volumes for 7 Levels										
17.5 +	336.7	8.0	55.7	2.9	3.1	29.6	435.9	7.2		
22.5 +	321.8	8.0	52.3	2.9	3.1	21.6	409.6	7.2		
27.5 +	249.7	8.0	38.0	2.9		19.2	317.7	7.2		
32.5 +	223.3	8.0	32.4	2.9		4.9	271.4	3.6		
37.5 +	179.4	5.0	10.2	2.9			197.5	3.6		
42.5 +	129.3	5.0	3.7	2.9			140.9			
47.5 +	60.6		3.7	2.9			67.1			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	7.7				9.5		17.2			
20	19.2						19.2			
25	87.5				11.6	8.9	107.9			
30	37.1						37.1			
35	60.5						60.5			
40	38.4						38.4			
45	51.0						51.0			
50	26.4						26.4			
55	13.3		13.8	10.9			38.0			
60	13.3						13.3			
65	13.8						13.8			
70	27.2						27.2			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	395.3		13.8	10.9	21.1	8.9	450.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	387.6		13.8	10.9	11.6	8.9	432.8			
22.5 +	368.4		13.8	10.9	11.6	8.9	413.6			
27.5 +	280.9		13.8	10.9			305.7			
32.5 +	243.8		13.8	10.9			268.6			
37.5 +	183.4		13.8	10.9			208.1			
42.5 +	145.0		13.8	10.9			169.7			
47.5 +	94.0		13.8	10.9			118.7			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4				0.3		1.7			0.3
20	2.2		0.5			1.0	3.7			
25	8.8		1.5		0.3	0.3	11.0			
30	3.1		0.5			1.5	5.1	0.5		
35	4.8	0.5	2.0			0.5	7.8			
40	5.1		0.5				5.6	0.5		
45	7.5	0.5					8.0			
50	1.7						1.7			
55	2.4		0.3	0.3			3.1			
60	0.8						0.8			
65	0.3						0.3			
70	0.7						0.7			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	38.7	1.0	5.4	0.3	0.7	3.4	49.6			
Dead P	1.0							1.0		
Dead U										
Live U	0.3									0.3
Average Basal Area (m2) at 5 Levels										
12.5 +	38.7	1.0	5.4	0.3	0.7	3.4	49.6	1.0		0.3
17.5 +	37.4	1.0	5.4	0.3	0.3	3.4	47.9	1.0		
22.5 +	35.2	1.0	4.9	0.3	0.3	2.4	44.2	1.0		
27.5 +	26.3	1.0	3.4	0.3		2.0	33.1	1.0		
32.5 +	23.3	1.0	2.9	0.3		0.5	28.0	0.5		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.3				1.3		2.6			1.3
20	2.6						2.6			
25	10.3				1.3	1.3	12.9			
30	3.9						3.9			
35	6.4						6.4			
40	3.9						3.9			
45	5.1						5.1			
50	2.6						2.6			
55	1.3		1.3	1.3			3.9			
60	1.3						1.3			
65	1.3						1.3			
70	2.6						2.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	42.4		1.3	1.3	2.6	1.3	48.9			
Dead P										
Dead U										
Live U	1.3									1.3
		Average Basal Area (m2) at 5 Levels								
12.5 +	42.4		1.3	1.3	2.6	1.3	48.9			1.3
17.5 +	41.1		1.3	1.3	1.3	1.3	46.3			
22.5 +	38.6		1.3	1.3	1.3	1.3	43.7			
27.5 +	28.3		1.3	1.3			30.9			
32.5 +	24.4		1.3	1.3			27.0			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.4				15.8		88.1			26.9
20	68.4		16.2			29.8	114.4			
25	179.0		32.1		6.9	8.6	226.6			
30	43.2		7.1			21.0	71.3	8.3		
35	49.1	5.3	22.1			5.7	82.3			
40	41.2		4.2				45.4	4.0		
45	47.0	2.9					49.9			
50	8.8						8.8			
55	9.9		1.6	1.5			13.0			
60	2.9						2.9			
65	1.1						1.1			
70	1.8						1.8			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	524.8	8.2	83.3	1.5	22.7	65.1	705.7			
Dead P	12.4							12.4		
Dead U										
Live U	26.9									26.9
			Average DBH(cm) at 5 Levels							
12.5 +	30.7	39.8	28.8	53.1	19.6	25.8	29.9	32.4		12.7
17.5 +	32.4	39.8	28.8	53.1	25.0	25.8	31.4	32.4		
22.5 +	34.1	39.8	30.5	53.1	25.0	29.3	33.4	32.4		
27.5 +	40.4	39.8	35.1	53.1		31.2	39.0	32.4		
32.5 +	42.8	39.8	36.3	53.1		33.6	41.7	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.8				59.4		132.2			101.5
20	76.8						76.8			
25	220.3				26.2	32.3	278.8			
30	50.7						50.7			
35	69.7						69.7			
40	29.6						29.6			
45	33.6						33.6			
50	13.3						13.3			
55	5.8		5.9	5.8			17.5			
60	4.4						4.4			
65	4.0						4.0			
70	6.8						6.8			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	587.8		5.9	5.8	85.6	32.3	717.5			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	7.9				2.5		10.4			
20	14.9		3.5			8.0	26.4			
25	72.2		14.3		3.1	2.4	91.9			
30	26.4		5.6			14.3	46.3	3.6		
35	43.8	2.9	22.2			4.9	73.9			
40	50.2		6.5				56.6	3.6		
45	68.7	5.0					73.7			
50	18.6						18.6			
55	22.9		3.7	2.9			29.5			
60	8.2						8.2			
65	3.7						3.7			
70	7.2						7.2			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	344.6	8.0	55.7	2.9	5.6	29.6	446.4			
Dead P	7.2							7.2		
Total Volumes for 7 Levels										
17.5 +	336.7	8.0	55.7	2.9	3.1	29.6	435.9	7.2		
22.5 +	321.8	8.0	52.3	2.9	3.1	21.6	409.6	7.2		
27.5 +	249.7	8.0	38.0	2.9		19.2	317.7	7.2		
32.5 +	223.3	8.0	32.4	2.9		4.9	271.4	3.6		
37.5 +	179.4	5.0	10.2	2.9			197.5	3.6		
42.5 +	129.3	5.0	3.7	2.9			140.9			
47.5 +	60.6		3.7	2.9			67.1			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	7.7				9.5		17.2			
20	19.2						19.2			
25	87.5				11.6	8.9	107.9			
30	37.1						37.1			
35	60.5						60.5			
40	38.4						38.4			
45	51.0						51.0			
50	26.4						26.4			
55	13.3		13.8	10.9			38.0			
60	13.3						13.3			
65	13.8						13.8			
70	27.2						27.2			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	395.3		13.8	10.9	21.1	8.9	450.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	387.6		13.8	10.9	11.6	8.9	432.8			
22.5 +	368.4		13.8	10.9	11.6	8.9	413.6			
27.5 +	280.9		13.8	10.9			305.7			
32.5 +	243.8		13.8	10.9			268.6			
37.5 +	183.4		13.8	10.9			208.1			
42.5 +	145.0		13.8	10.9			169.7			
47.5 +	94.0		13.8	10.9			118.7			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4				0.3		1.7			0.3
20	2.2		0.5			1.0	3.7			
25	8.8		1.5		0.3	0.3	11.0			
30	3.1		0.5			1.5	5.1	0.5		
35	4.8	0.5	2.0			0.5	7.8			
40	5.1		0.5				5.6	0.5		
45	7.5	0.5					8.0			
50	1.7						1.7			
55	2.4		0.3	0.3			3.1			
60	0.8						0.8			
65	0.3						0.3			
70	0.7						0.7			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	38.7	1.0	5.4	0.3	0.7	3.4	49.6			
Dead P	1.0							1.0		
Dead U										
Live U	0.3									0.3
Average Basal Area (m2) at 5 Levels										
12.5 +	38.7	1.0	5.4	0.3	0.7	3.4	49.6	1.0		0.3
17.5 +	37.4	1.0	5.4	0.3	0.3	3.4	47.9	1.0		
22.5 +	35.2	1.0	4.9	0.3	0.3	2.4	44.2	1.0		
27.5 +	26.3	1.0	3.4	0.3		2.0	33.1	1.0		
32.5 +	23.3	1.0	2.9	0.3		0.5	28.0	0.5		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.3				1.3		2.6			1.3
20	2.6						2.6			
25	10.3				1.3	1.3	12.9			
30	3.9						3.9			
35	6.4						6.4			
40	3.9						3.9			
45	5.1						5.1			
50	2.6						2.6			
55	1.3		1.3	1.3			3.9			
60	1.3						1.3			
65	1.3						1.3			
70	2.6						2.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	42.4		1.3	1.3	2.6	1.3	48.9			
Dead P										
Dead U										
Live U	1.3									1.3
		Average Basal Area (m2) at 5 Levels								
12.5 +	42.4		1.3	1.3	2.6	1.3	48.9			1.3
17.5 +	41.1		1.3	1.3	1.3	1.3	46.3			
22.5 +	38.6		1.3	1.3	1.3	1.3	43.7			
27.5 +	28.3		1.3	1.3			30.9			
32.5 +	24.4		1.3	1.3			27.0			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.8				59.4		132.2			101.5
20	76.8						76.8			
25	220.3				26.2	32.3	278.8			
30	50.7						50.7			
35	69.7						69.7			
40	29.6						29.6			
45	33.6						33.6			
50	13.3						13.3			
55	5.8		5.9	5.8			17.5			
60	4.4						4.4			
65	4.0						4.0			
70	6.8						6.8			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	587.8		5.9	5.8	85.6	32.3	717.5			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	7.7				9.5		17.2			
20	19.2						19.2			
25	87.5				11.6	8.9	107.9			
30	37.1						37.1			
35	60.5						60.5			
40	38.4						38.4			
45	51.0						51.0			
50	26.4						26.4			
55	13.3		13.8	10.9			38.0			
60	13.3						13.3			
65	13.8						13.8			
70	27.2						27.2			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	395.3		13.8	10.9	21.1	8.9	450.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	387.6		13.8	10.9	11.6	8.9	432.8			
22.5 +	368.4		13.8	10.9	11.6	8.9	413.6			
27.5 +	280.9		13.8	10.9			305.7			
32.5 +	243.8		13.8	10.9			268.6			
37.5 +	183.4		13.8	10.9			208.1			
42.5 +	145.0		13.8	10.9			169.7			
47.5 +	94.0		13.8	10.9			118.7			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.3				1.3		2.6			1.3
20	2.6						2.6			
25	10.3				1.3	1.3	12.9			
30	3.9						3.9			
35	6.4						6.4			
40	3.9						3.9			
45	5.1						5.1			
50	2.6						2.6			
55	1.3		1.3	1.3			3.9			
60	1.3						1.3			
65	1.3						1.3			
70	2.6						2.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	42.4		1.3	1.3	2.6	1.3	48.9			
Dead P										
Dead U										
Live U	1.3									1.3
		Average Basal Area (m2) at 5 Levels								
12.5 +	42.4		1.3	1.3	2.6	1.3	48.9			1.3
17.5 +	41.1		1.3	1.3	1.3	1.3	46.3			
22.5 +	38.6		1.3	1.3	1.3	1.3	43.7			
27.5 +	28.3		1.3	1.3			30.9			
32.5 +	24.4		1.3	1.3			27.0			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%
001: B11	1	3	2	SC	15	1	7	2	SC	42	1	23	1	SC	38	1	21	1	SC	48
	1	22	1	SC	36	1	14	2	SC	28	1	18	2	SC	24	1	13	2	SC	36
	1	9	2	SC	88	1	10	2	SC	26	1	8	1	SC	13	1	11	1	SC	35
	1	6	1	SC	36	1	4	1	SC	48	1	5	1	SC	53	1	19	1	SC	27
	1	20	1	SC	25	1	16	1	SC	35	1	12	1	SC	35	1	15	1	SC	21

Summary: Total % Slope: 709 No. of Plots: 20 Weighted Average % Slope: 35.2 Arithmetic Average % Slope: 35.5

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method Summary

Harvest Method	Total % Slope	No of Plots	Avg % Weighted Slope	Avg % Arithmetic Slope
SC	709	20	35.2	
Total	709	20	35.2	35.5

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Plot Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	Ref No. M
1-Fd	001	1	4	9.000F	48	Doug-Fir	5	1070.67	23.13	368.09	368.09	353.37	353.37		101		
						All Sp.	5	1070.67	23.13	368.09	368.09	353.37	353.37	1303			
		1	5	9.000F	53	Doug-Fir	7	1042.28	27.74	533.18	533.18	511.85	511.85		101		
						All Sp.	7	1042.28	27.74	533.18	533.18	511.85	511.85	1303			
		1	6	9.000F	36	Doug-Fir	3	195.10	41.98	284.40	284.40	273.02	273.02		101		
						Hemlock	3	395.69	29.48	298.75	298.75	286.80	286.80		301		
						All Sp.	6	590.80	34.11	583.15	583.15	559.82	559.82	1303			
		1	8	9.000F	13	W.R. Cedar	1	93.54	35.00	54.74	54.74	52.00	52.00		201		
						Doug-Fir	3	273.46	35.46	208.54	208.54	200.19	200.19		101		
						Down	1	147.21	27.90	65.57	65.57	62.95	62.95		101		
						All Sp.	4	367.01	35.34	263.27	263.27	252.19	252.19	1303			
		1	11	9.000F	35	Doug-Fir	2	312.83	27.07	129.64	129.64	124.45	124.45		101		
						All Sp.	2	312.83	27.07	129.64	129.64	124.45	124.45	1303			
		1	12	9.000F	35	Doug-Fir	3	210.85	40.38	313.80	313.80	301.25	301.25		101		
						Maple	6	999.88	26.22	545.35	508.61	481.34	481.24				1310
						All Sp.	9	1210.73	29.19	859.15	822.41	782.59	782.49	1303			
		1	15	9.000F	21	Doug-Fir	6	587.21	34.22	475.58	475.58	456.56	456.56		101		
						All Sp.	6	587.21	34.22	475.58	475.58	456.56	456.56	1303			
		1	16	9.000F	35	Doug-Fir	8	813.58	33.57	727.65	727.65	698.55	698.55		101		
						All Sp.	8	813.58	33.57	727.65	727.65	698.55	698.55	1303			
		1	19	9.000F	27	Doug-Fir	2	187.27	34.98	161.85	161.85	155.37	155.37		101		
						Hemlock	2	395.29	24.08	173.54	173.54	166.60	166.60		301		
						All Sp.	4	582.56	28.05	335.39	335.39	321.97	321.97	1303			
		1	20	9.000F	25	Doug-Fir	3	553.43	24.92	212.65	212.65	204.14	204.14		101		
						Hemlock	2	387.38	24.32	145.46	145.46	139.64	139.64		301		
						All Sp.	5	940.80	24.68	358.10	358.10	343.78	343.78	1303			
		1	21	9.000F	48	W.R. Cedar	1	51.22	47.30	93.45	93.45	88.77	88.77		201		
						Doug-Fir	5	844.64	26.05	447.37	447.37	429.47	429.47		101		
						Hemlock	2	174.72	36.22	239.02	239.02	229.46	229.46		301		
						All Sp.	8	1070.58	29.26	779.83	779.83	747.71	747.71	1303			
		1	22	9.000F	36	Doug-Fir	4	211.29	46.58	356.49	356.49	342.23	342.23		101		
						Hemlock	1	93.54	35.00	102.93	102.93	98.81	98.81		301		
						All Sp.	5	304.84	43.35	459.41	459.41	441.04	441.04	1303			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:52:27PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Plot Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss Ref No. YI	OI	M
1-Fd	001	1	23	9.000F	38	Doug-Fir	5	442.93	35.97	331.82	331.82	318.55	318.55		101		
						All Sp.	5	442.93	35.97	331.82	331.82	318.55	318.55	1303			
2-Fd	001	1	3	9.000F	15	Doug-Fir	8	959.36	30.91	749.51	749.51	719.53	719.53		101		
						All Sp.	8	959.36	30.91	749.51	749.51	719.53	719.53	1303			
		1	7	9.000F	42	Doug-Fir	7	1393.39	23.99	536.49	536.49	515.03	515.03		101		
						All Sp.	7	1393.39	23.99	536.49	536.49	515.03	515.03	1303			
		1	9	9.000F	88	Doug-Fir	8	1226.96	27.33	651.54	651.54	625.48	625.48		101		
						All Sp.	8	1226.96	27.33	651.54	651.54	625.48	625.48	1303			
		1	10	9.000F	26	Doug-Fir	1	106.51	32.80	82.62	82.62	79.31	79.31		101		
						Hemlock	1	41.58	52.50	100.70	100.70	96.68	96.68		301		
						All Sp.	2	148.09	39.34	183.32	183.32	175.99	175.99	1303			
		1	13	9.000F	36	Doug-Fir	5	297.81	43.86	475.31	475.31	456.30	456.30		101		
						Maple	1	226.35	22.50	70.08	65.73	62.23	62.23				1310
						All Sp.	6	524.16	36.22	545.39	541.04	518.53	518.53	1303			
		1	14	9.000F	28	Doug-Fir	2	71.84	56.48	189.04	189.04	181.48	181.48		101		
						All Sp.	2	71.84	56.48	189.04	189.04	181.48	181.48	1303			
		1	18	9.000F	24	Cottonwood	1	40.64	53.10	89.93	80.94	76.44	76.44				1110
						Alder	2	599.20	19.56	156.29	155.60	147.79	147.79				1210
						Doug-Fir	3	769.46	21.14	197.57	197.57	189.67	189.67		101		
						All Sp.	6	1409.30	22.09	443.79	434.11	413.90	413.90	1303			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots	13	7
ha / Plot	1.11	0.74
Cutting Permit		
# of Plots	13	7
ha / Plot	1.11	0.74

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots	13	7
ha / Plot	1.11	0.74
All Methods		
# of Plots	13	7
ha / Plot	1.11	0.74

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots		
ha / Plot		
Cutting Permit		
# of Plots		
ha / Plot		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:52:27PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots		
ha / Plot		
All Methods		
# of Plots		
ha / Plot		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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ALBERNI VALLEY COMUN.FOREST

TBA - CP# 000

Sproat Lake
Block #: B12

SUMMARY OF VOLUMES (loss factors)
F U L L V O L U M E S A P P L I E D

03-May-2013 06:05:12AM

Cruised by: CONTOUR FOREST CONSULTANTS INC
Compiled by: F. Warren and Associates Ltd

Appraisal Summary Report

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12
Location : Sproat Lake

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage
No Of Blocks : 1

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Net Area: [All Treatment Units : 16.1]

All Method Summary

Algorithm Grades %							Net Volume (m3)			Net Volume / ha		
Code	Species Description	H	J	U	X	Y	All	Live	DP	All	Live	DP
CE	Cedar	30	31	24	15		211	211	0	13.076	13.076	0.000
FI	Doug-Fir	4	70	25	1		4733	4646	87	293.994	288.571	5.423
HE	Hemlock		52		48		228	124	105	14.180	7.673	6.507
AL	Alder					100	101	101	0	6.248	6.248	0.000
MA	Maple					100	438	438	0	27.191	27.191	0.000
	Total						5710	5518	192	354.688	342.759	11.930

Harvesting Method Summaries

Harvest Method	Net Volume	Net Vol /10m Log	Net Vol /Hectare	Hem+ Bal%	Partial Cut%	Slope%	Down Tree%	Heavy Fire%
SC	5710	0.30	354.688	4		28	0	0
Conventional Methods	5710	0.30	354.688	4		28	0	0
All Methods	5710	0.30	354.688	4			0	0

Cutting Authority

95% Confidence Interval	27.2
Plots/Ha	1.0
Cruised Trees/Plot	4.4
Net 2nd Growth-Conifer %	100.0
Net 2nd Growth-Conifer (m3)	5172
Net Immature by Block %	001: 91%
Non Heli Select Conifer (m3/ha)	321.25
Heli Select Total (decimal)	0.00
Heli+Skyline Total (decimal)	0.00
Piece Size - Conifer (m3/10m log)	0.31

Plots: 16 # <= 5yrs: 8 # > 5yrs: 8 # > 10yrs: 0 # no date: 0

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Volume Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Net Volume m3/ha	Proportional Volume	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd (HwMbCwDr)	0	14	14	15.6	355.2	0.97	0	59	59	173.1238	48.7	13.0	28.1
2 :Outside R/W	0	2	2	0.5	337.5	0.03	0	11	11	205.2816	60.8	43.0	546.4
TOTAL	0	16	16	16.1	354.7		0	70	70		50.8	12.7	27.2

Number of live & dead potential trees sampled is 70
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 0

The weighted sampling error is 27.2% at the 95% confidence level

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Basal Area Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Basal Area m2/ha	Proportional Basal Area	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd (HwMbCwDr)	0	14	14	15.6	42.1	0.97	0	59	59	17.6193	41.8	11.2	24.1
2 :Outside R/W	0	2	2	0.5	40.1	0.03	0	11	11	22.8398	56.9	40.3	511.6
TOTAL	0	16	16	16.1	42.1		0	70	70		43.6	10.9	23.4

Number of live & dead potential trees sampled is 70
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 0

The weighted sampling error is 23.4% at the 95% confidence level

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Percent Reductions Applied

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Criteria				DBH Class																													
Spcs	Type	TU Class	Block	Damage	10 15	20 25	30 35	40 45	50 55	60 65	70 75	80 85	90 95	100 105	110 115	120 125	130 135	140 145	150 175	200 225	250 275
All	0	B			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Map Area Statement Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Card A Cruise Identity

Licence #	: TBA	Cutting Permit #	: 000
Number of Blocks	: 1	Forest Region	: Coastal
Forest District	: South Island	Type	: PSYU
Unit No	: Quadra	Tenure	: T.F.L. Cutting Permit (COAST)
Quota	: Prop./Mngd.PSYU,TFL,or SSA	Sale Type	: None
Elevation	: 0	Co-ordinates Zone	: Unknown
East	: 0	North	: 0
Total Merch Area	: 16.10	Report Type	: *** FOR APPRAISAL PURPOSES ***
Locality	: Sproat Lake		

Card B Compilation Standard

Damage	: Damage	Selective	: Compile All Trees
Double Sampling	: Measure Plots Only	Special Compilation	: No Special Compilation
Species Compilation	: Exceptions Not Used	Type of Compilation	: Coastal

Compilation Standard	Mature	Immature
DBH Limit	17.50	12.00
Stump Height	30	30
Top Diameter	15.00	10.00

Card C Type Description

Type	Description	A	Silvicultural Treatment Units B
1	Fd (HwMbCwDr)	14.4	1.2
2	Outside R/W	0.5	

Card D Block Description

Block	Description	Maturity	Type	A	Silvicultural Treatment Units B
001	B12	I	1	14.4	1.2
			2	0.5	

Card F Harvesting Description

Harvest Method	Harvest Description	Type	A	Silvicultural Treatment Units B
SC	Ground Systems - Clearcut	1	14.4	1.2
		2	0.5	

Card G Treatment Unit Description

Treatment Unit	Description
A	A 100% Cut
B	B 50% Cut

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5986	5390	4931	222	238	107	490
Net Merchantable	m3	5710	5172	4733	211	228	101	438
Net Merch - All	m3/ha	354.688	321.250	293.994	13.076	14.180	6.248	27.191
Net Merch - Live	m3/ha	342.759	309.320	288.571	13.076	7.673	6.248	27.191
Net Merch - DP	m3/ha	11.930	11.930	5.423		6.507		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	354.644	321.238	294.053	13.042	14.143	6.231	27.174
Net Merch - Live	m3/ha	342.745	309.339	288.644	13.042	7.653	6.231	27.174
Net Merch - DP	m3/ha	11.899	11.899	5.409		6.490		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	447	402	367	17	18	8	37
Net Merchantable	m3	426	386	352	16	18	8	33
Net Merch - All	m3/ha	355.238	321.391	293.262	13.495	14.635	6.448	27.399
Net Merch - Live	m3/ha	342.926	309.079	287.665	13.495	7.919	6.448	27.399
Net Merch - DP	m3/ha	12.312	12.312	5.596		6.716		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5986	5390	4931	222	238	107	490
Net Merchantable	m3	5710	5172	4733	211	228	101	438
Net Merch - All	m3/ha	354.688	321.250	293.994	13.076	14.180	6.248	27.191
Net Merch - Live	m3/ha	342.759	309.320	288.571	13.076	7.673	6.248	27.191
Net Merch - DP	m3/ha	11.930	11.930	5.423		6.507		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							
% Average Slope		28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	354.644	321.238	294.053	13.042	14.143	6.231	27.174
Net Merch - Live	m3/ha	342.745	309.339	288.644	13.042	7.653	6.231	27.174
Net Merch - DP	m3/ha	11.899	11.899	5.409		6.490		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	447	402	367	17	18	8	37
Net Merchantable	m3	426	386	352	16	18	8	33
Net Merch - All	m3/ha	355.238	321.391	293.262	13.495	14.635	6.448	27.399
Net Merch - Live	m3/ha	342.926	309.079	287.665	13.495	7.919	6.448	27.399
Net Merch - DP	m3/ha	12.312	12.312	5.596		6.716		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [All Treatment Units : 16.1]
Gross Area: [Grand Total : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5986	5390	4931	222	238	107	490
Net Merchantable	m3	5710	5172	4733	211	228	101	438
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		619.8	546.9	482.8	47.4	16.7	12.5	60.3
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.6
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.97
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		620.0	546.8	482.9	47.2	16.7	12.5	60.6
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.5
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.96
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	447	402	367	17	18	8	37
Net Merchantable	m3	426	386	352	16	18	8	33
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5986	5390	4931	222	238	107	490
Net Merchantable	m3	5710	5172	4733	211	228	101	438
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		619.8	546.9	482.8	47.4	16.7	12.5	60.3
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.6
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.97
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		620.0	546.8	482.9	47.2	16.7	12.5	60.6
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.5
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.96
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	447	402	367	17	18	8	37
Net Merchantable	m3	426	386	352	16	18	8	33
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.2
Two Standard Error	%	27.2	26.1	26.6	125.7	146.3	214.5	116.5
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5810	5225	4766	222	238	107	478
Net Merchantable	m3	5542	5014	4575	211	228	101	427
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5363	4823	4399	205	220	99	441
Net Merchantable	m3	5115	4628	4223	194	211	93	395
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	447	402	367	17	18	8	37
Net Merchantable	m3	426	386	352	16	18	8	33
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	177	165	165				12
Net Merchantable	m3	169	158	158				10
Net Merch - All	m3/ha	338	317	317				21
Distribution	%	100	94	94				6
Decay	%	0						6
Waste	%							
Waste(billing)	%							
Breakage	%	4	4	4				5
Total Cull (DWB)	%	4	4	4				11
Stems/Ha (Live & DP)		687.5	500.0	500.0				187.5
Avg DBH (Live & DP)	cm	27.3	30.0	30.0				18.0
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.51	0.66	0.66				0.12
Net Merch Vol/Tree	m3	0.49	0.63	0.63				0.11
Avg Weight Total Ht	m	27.5	28.5	28.5				16.0
Avg Weight Merch Ht	m	22.0	22.9	22.9				8.5
Avg 10.0 m Log Net	m3	0.24	0.26	0.26				0.12
Avg 10.0 m Log Gross	m3	0.25	0.26	0.26				0.12
Avg # of 10.0 m Logs/Tree		2.09	2.50	2.50				1.00
Net Immature	%	93.9	100.0	100.0				
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#4 Sawlog	J	67	71	71				
#5 Utility	U	22	24	24				
#6 Utility	X	5	5	5				
#7 Chipper	Y	6						100
Statistical Summary								
Coeff. of Variation	%	60.8	55.5	55.5				141.4
Two Standard Error	%	546.4	499.0	499.0				1270.6
Number and Type of Plots		F =	2					
Number of Potential Trees		11						
Plots/Ha		4.0						
Cruised Trees/Plot		5.5						

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	63.1	41.3			1.9	106.4			
20	98.3				22.9	121.3			
25	102.8			12.5	12.7	128.1	11.7		
30	49.9				18.6	68.5			
35	79.4					79.4			
40	50.9		5.0			55.9			
45	17.6				4.1	21.8	4.3		
50	7.5	3.8				11.3			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.5	47.4	5.0	12.5	60.3	603.8			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.6	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	62.9	41.2			2.1	106.3			
20	98.6				23.2	121.8			
25	102.5			12.5	12.7	127.7	11.7		
30	49.8				18.5	68.3			
35	80.0					80.0			
40	50.7		5.0			55.7			
45	17.6				4.1	21.7	4.3		
50	7.4	3.8				11.2			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.6	47.2	5.0	12.5	60.6	604.0			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.5	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.6			
25	36.2			6.2	4.7	47.2	6.5		
30	26.7				11.4	38.1			
35	68.8					68.8			
40	62.1		7.7			69.8			
45	27.0				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.9					6.9			
65		5.5				5.5			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.1	7.7	6.2	27.2	342.8			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.3	7.7	6.2	27.0	334.0	11.9		
22.5 +	262.7	11.3	7.7	6.2	21.5	309.4	11.9		
27.5 +	226.5	11.3	7.7		16.8	262.2	5.4		
32.5 +	199.8	11.3	7.7		5.4	224.2	5.4		
37.5 +	131.0	11.3	7.7		5.4	155.4	5.4		
42.5 +	68.9	11.3			5.4	85.6	5.4		
47.5 +	41.9	11.3				53.1			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.7			
25	36.1			6.2	4.7	47.0	6.5		
30	26.6				11.3	38.0			
35	69.4					69.4			
40	61.9		7.7			69.6			
45	26.9				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.8					6.8			
65		5.4				5.4			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.0	7.7	6.2	27.2	342.7			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.2	7.7	6.2	27.0	333.9	11.9		
22.5 +	262.7	11.2	7.7	6.2	21.5	309.3	11.9		
27.5 +	226.6	11.2	7.7		16.8	262.3	5.4		
32.5 +	200.0	11.2	7.7		5.4	224.3	5.4		
37.5 +	130.6	11.2	7.7		5.4	155.0	5.4		
42.5 +	68.7	11.2			5.4	85.4	5.4		
47.5 +	41.8	11.2				53.0			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.8					7.8			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.2	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.4	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.9					7.9			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.3	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.5	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	63.1	41.3			1.9	106.4			
20	98.3				22.9	121.3			
25	102.8			12.5	12.7	128.1	11.7		
30	49.9				18.6	68.5			
35	79.4					79.4			
40	50.9		5.0			55.9			
45	17.6				4.1	21.8	4.3		
50	7.5	3.8				11.3			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.5	47.4	5.0	12.5	60.3	603.8			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.6	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	62.9	41.2			2.1	106.3			
20	98.6				23.2	121.8			
25	102.5			12.5	12.7	127.7	11.7		
30	49.8				18.5	68.3			
35	80.0					80.0			
40	50.7		5.0			55.7			
45	17.6				4.1	21.7	4.3		
50	7.4	3.8				11.2			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.6	47.2	5.0	12.5	60.6	604.0			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.5	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.6			
25	36.2			6.2	4.7	47.2	6.5		
30	26.7				11.4	38.1			
35	68.8					68.8			
40	62.1		7.7			69.8			
45	27.0				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.9					6.9			
65		5.5				5.5			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.1	7.7	6.2	27.2	342.8			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.3	7.7	6.2	27.0	334.0	11.9		
22.5 +	262.7	11.3	7.7	6.2	21.5	309.4	11.9		
27.5 +	226.5	11.3	7.7		16.8	262.2	5.4		
32.5 +	199.8	11.3	7.7		5.4	224.2	5.4		
37.5 +	131.0	11.3	7.7		5.4	155.4	5.4		
42.5 +	68.9	11.3			5.4	85.6	5.4		
47.5 +	41.9	11.3				53.1			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.7			
25	36.1			6.2	4.7	47.0	6.5		
30	26.6				11.3	38.0			
35	69.4					69.4			
40	61.9		7.7			69.6			
45	26.9				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.8					6.8			
65		5.4				5.4			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.0	7.7	6.2	27.2	342.7			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.2	7.7	6.2	27.0	333.9	11.9		
22.5 +	262.7	11.2	7.7	6.2	21.5	309.3	11.9		
27.5 +	226.6	11.2	7.7		16.8	262.3	5.4		
32.5 +	200.0	11.2	7.7		5.4	224.3	5.4		
37.5 +	130.6	11.2	7.7		5.4	155.0	5.4		
42.5 +	68.7	11.2			5.4	85.4	5.4		
47.5 +	41.8	11.2				53.0			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.8					7.8			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.2	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.4	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.9					7.9			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.3	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.5	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					62.5	62.5			
20	187.5				125.0	312.5			
25									
30									
35	312.5					312.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	500.0				187.5	687.5			
Dead P									
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	30.0				18.0	27.3			
17.5 +	30.0				18.9	28.1			
22.5 +	34.6					34.6			
27.5 +	34.6					34.6			
32.5 +	34.6					34.6			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					5.3	5.3			
20	39.4				15.5	54.8			
25									
30									
35	277.5					277.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	316.8				20.7	337.5			
Dead P									
			Total Volumes for 7 Levels						
17.5 +	316.8				15.5	332.3			
22.5 +	277.5					277.5			
27.5 +	277.5					277.5			
32.5 +	277.5					277.5			
37.5 +									
42.5 +									
47.5 +									

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					1.2	1.2			
20	5.9				3.5	9.4			
25									
30									
35	29.5					29.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	35.4				4.7	40.1			
Dead P									
Dead U									
Live U									

Average Basal Area (m2) at 5 Levels

12.5 +	35.4	4.7	40.1
17.5 +	35.4	3.5	38.9
22.5 +	29.5		29.5
27.5 +	29.5		29.5
32.5 +	29.5		29.5

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%
001: B12	1	14	1	SC	47	1	16	1	SC	27	1	12	1	SC	41	1	13	1	SC	35
	1	5	2	SC	14	1	18	2	SC	20	1	17	1	SC	19	1	19	1	SC	29
	1	4	1	SC	37	1	6	1	SC	27	1	2	1	SC	27	1	3	1	SC	22
	1	9	1	SC	16	1	10	1	SC	25	1	7	1	SC	13	1	8	1	SC	30

Summary: Total % Slope: 429 No. of Plots: 16 Weighted Average % Slope: 27.9 Arithmetic Average % Slope: 26.8

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method Summary

Harvest Method	Total % Slope	No of Plots	Avg % Weighted Slope	Avg % Arithmetic Slope
SC	429	16	27.9	
Total	429	16	27.9	26.8

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	M
1-Fd (HwMbCwDr)	001	1	2	10.000F	27	Doug-Fir	3	690.00	23.53	242.90	242.90	233.19	233.19		101		
						All Sp.	3	690.00	23.53	242.90	242.90	233.19	233.19	1304			
		1	3	10.000F	22	W.R. Cedar	1	597.32	14.60	27.71	27.71	26.33	26.33		201		
						All Sp.	1	597.32	14.60	27.71	27.71	26.33	26.33	0409			
		1	4	10.000F	37	Doug-Fir	3	190.50	44.78	278.10	278.10	266.97	266.97		101		
						All Sp.	3	190.50	44.78	278.10	278.10	266.97	266.97	0409			
		1	6	10.000F	27	W.R. Cedar	1	32.08	63.00	83.06	83.06	78.91	78.91		201		
						Doug-Fir	4	488.96	32.27	409.90	409.90	393.51	393.51		101		
						Hemlock	1	72.18	42.00	115.49	115.49	110.87	110.87		301		
						All Sp.	6	593.22	35.89	608.45	608.45	583.28	583.28	0409			
		1	7	10.000F	13	Doug-Fir	3	678.58	23.73	219.14	219.14	210.38	210.38		101		
						All Sp.	3	678.58	23.73	219.14	219.14	210.38	210.38	0409			
		1	8	10.000F	30	Doug-Fir	4	217.46	48.39	439.56	439.56	421.98	421.98		101		
						Maple	2	320.95	28.17	168.32	162.75	154.34	154.34				1310
						All Sp.	6	538.40	37.67	607.89	602.32	576.32	576.32	0409			
		1	9	10.000F	16	Alder	1	181.31	26.50	95.83	95.06	90.27	90.27				1210
						Doug-Fir	3	263.36	38.08	329.12	329.12	315.95	315.95		101		
						Maple	1	59.39	46.30	95.61	85.47	80.69	78.69				1310
						All Sp.	5	504.06	35.54	520.55	509.65	486.92	484.91	0409			
		1	10	10.000F	25	W.R. Cedar	1	54.80	48.20	88.10	88.10	83.69	83.69		201		
						Doug-Fir	2	297.07	29.28	180.66	180.66	173.44	173.44		101		
						Hemlock	1	169.59	27.40	97.93	97.93	94.02	94.02		301		
						Maple	2	407.08	25.01	165.10	158.81	150.56	150.56				1310
						All Sp.	6	928.56	28.68	531.79	525.51	501.70	501.70	0409			
		1	12	10.000F	41	Doug-Fir	5	625.68	31.90	481.11	481.11	461.87	461.87		101		
						All Sp.	5	625.68	31.90	481.11	481.11	461.87	461.87	1304			
		1	13	10.000F	35	Doug-Fir	4	318.40	39.99	415.02	415.02	398.41	398.41		101		
						All Sp.	4	318.40	39.99	415.02	415.02	398.41	398.41	1304			
		1	14	10.000F	47	Doug-Fir	7	993.93	29.95	543.62	543.62	521.87	521.87		101		
						All Sp.	7	993.93	29.95	543.62	543.62	521.87	521.87	1304			
		1	16	10.000F	27	Doug-Fir	2	169.42	38.77	183.10	183.10	175.77	175.77		101		
						All Sp.	2	169.42	38.77	183.10	183.10	175.77	175.77	1304			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:05:12AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	M
1-Fd (HwMbCwDr)	001	1	17	10.000F	19	Doug-Fir	5	1174.94	23.28	349.25	349.25	335.28	335.28		101		
						All Sp.	5	1174.94	23.28	349.25	349.25	335.28	335.28	1304			
		1	19	10.000F	29	Doug-Fir	3	643.79	24.36	205.25	205.25	197.04	197.04		101		
						All Sp.	3	643.79	24.36	205.25	205.25	197.04	197.04	1304			
2-Outside R/W	001	1	5	0.008F	14	Doug-Fir	4	500.00	34.51	459.66	459.66	441.27	441.27		101		
						Maple	3	375.00	17.96	46.75	43.77	41.43	41.43				1310
						All Sp.	7	875.00	28.61	506.41	503.43	482.71	482.71	0409			
		1	18	0.008F	20	Doug-Fir	4	500.00	24.70	200.41	200.41	192.39	192.39		101		
						All Sp.	4	500.00	24.70	200.41	200.41	192.39	192.39	1304			

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots	14	2
ha / Plot	1.11	0.25
Cutting Permit		
# of Plots	14	2
ha / Plot	1.11	0.25

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots	14	2
ha / Plot	1.11	0.25
All Methods		
# of Plots	14	2
ha / Plot	1.11	0.25

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots		
ha / Plot		
Cutting Permit		
# of Plots		
ha / Plot		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:05:12AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots		
ha / Plot		
All Methods		
# of Plots		
ha / Plot		

FLAGS: Full Volumes, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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ALBERNI VALLEY COMMUN FOREST

K2D - CP# 000

Bookhout Creek
Block #: B11

SUMMARY OF VOLUMES (loss factors)
P E R C E N T R E D U C T I O N A P P L I E D

10-Mar-2013 09:54:32PM

Cruised by: CONTOUR FOREST CONSULTANTS INC
Compiled by: F. Warren and Associates Ltd

Appraisal Summary Report

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11
Location : Bookhout Creek

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage
No Of Blocks : 1

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:54:32PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Net Area: [All Treatment Units : 19.6]

All Method Summary

Algorithm Grades % Species Code	Description	H	I	J	U	X	Y	Net Volume (m3) All	Live	DP	Net Volume / ha All	Live	DP
CE	Cedar			93	4	3		156	156	0	7.956	7.956	0.000
FI	Doug-Fir	4		72	23	1		5867	5727	140	299.346	292.186	7.160
HE	Hemlock		2	58	19	21		1056	1056	0	53.900	53.900	0.000
AL	Alder						100	55	55	0	2.801	2.801	0.000
CO	Cottonwood						100	28	28	0	1.449	1.449	0.000
MA	Maple				3		97	556	556	0	28.377	28.377	0.000
	Total							7719	7579	140	393.827	386.668	7.160

Harvesting Method Summaries

Harvest Method	Net Volume	Net Vol /10m Log	Net Vol /Hectare	Hem+ Bal%	Partial Cut%	Slope%	Down Tree%	Heavy Fire%
SC	7719	0.31	393.827	14	87	35	1	0
Conventional Methods	7719	0.31	393.827	14	87	35	1	0
All Methods	7719	0.31	393.827	14	87		1	0

Cutting Authority

See pre reduction compilation for statistics

Plots/Ha	1.0
Cruised Trees/Plot	5.7
Net 2nd Growth-Conifer %	100.0
Net 2nd Growth-Conifer (m3)	7080
Net Immature by Block %	001: 92%
Non Heli Select Conifer (m3/ha)	361.20
Heli Select Total (decimal)	0.00
Heli+Skyline Total (decimal)	0.00
Piece Size - Conifer (m3/10m log)	0.32

Plots: 20 # <= 5yrs: 20 # > 5yrs: 0 # > 10yrs: 0 # no date: 0

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Volume Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Net Volume m3/ha	Proportional Volume	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd	0	13	13	14.4	454.8	0.85	0	74	74	199.1793	43.8	12.1	26.5
2 :Fd	0	7	7	5.2	225.0	0.15	0	38	38	104.2537	46.3	17.5	42.9
TOTAL	0	20	20	19.6	393.8		0	112	112		47.6	10.6	22.4

Number of live & dead potential trees sampled is 112
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 1

The weighted sampling error is 22.4% at the 95% confidence level

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Basal Area Statistical Analysis

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Basal Area m2/ha	Proportional Basal Area	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd	0	13	13	14.4	51.2	0.85	0	74	74	17.3837	33.9	9.4	20.5
2 :Fd	0	7	7	5.2	24.4	0.15	0	38	38	11.5774	47.4	17.9	43.8
TOTAL	0	20	20	19.6	44.1		0	112	112		37.8	8.4	17.8

Number of live & dead potential trees sampled is 112
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 1

The weighted sampling error is 17.8% at the 95% confidence level

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Percent Reductions Applied

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Criteria				DBH Class																													
Spcs	Type	TU Class	Block	Damage	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	175	200	225	250	275
All	0	B			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Map Area Statement Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Card A Cruise Identity

Licence #	: K2D	Cutting Permit #	: 000
Number of Blocks	: 1	Forest Region	: Coastal
Forest District	: South Island	Type	: PSYU
Unit No	: Nootka	Tenure	: T.F.L. Cutting Permit (COAST)
Quota	: Prop./Mngd.PSYU,TFL,or SSA	Sale Type	: None
Elevation	: 0	Co-ordinates Zone	: Unknown
East	: 0	North	: 0
Total Merch Area	: 19.60	Report Type	: *** FOR APPRAISAL PURPOSES ***
Locality	: Bookhout Creek		

Card B Compilation Standard

Damage	: Damage	Selective	: Compile All Trees
Double Sampling	: Measure Plots Only	Special Compilation	: No Special Compilation
Species Compilation	: Exceptions Not Used	Type of Compilation	: Coastal

Compilation Standard	Mature	Immature
DBH Limit	17.50	12.00
Stump Height	30	30
Top Diameter	15.00	10.00

Card C Type Description

Type	Description	A	Silvicultural Treatment Units B
1	Fd	14.4	
2	Fd		5.2

Card D Block Description

Block	Description	Maturity	Type	A	Silvicultural Treatment Units B
001	B11	I	1	14.4	
			2		5.2

Card F Harvesting Description

Harvest Method	Harvest Description	Type	A	Silvicultural Treatment Units B
SC	Ground Systems - Clearcut	1	14.4	
		2		5.2

Card G Treatment Unit Description

Treatment Unit	Description
A	A 100% Cut
B	B 50% Cut

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	8098	7376	6112	164	1100	33	58	630
Net Merchantable	m3	7719	7080	5867	156	1056	28	55	556
Net Merch - All	m3/ha	393.827	361.201	299.346	7.956	53.900	1.449	2.801	28.377
Net Merch - Live	m3/ha	386.668	354.042	292.186	7.956	53.900	1.449	2.801	28.377
Net Merch - DP	m3/ha	7.160	7.160	7.160					
Decay	%	1					10	0	7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.65	1.88	0.25	0.47
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.33	0.66	0.20	0.22
Useless Dead/Living	%	4	5	6					
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	3	3	4					
#3 Sawlog	I					2			
#4 Sawlog	J	65	71	72	93	58			
#5 Utility	U	20	22	23	4	19			3
#6 Utility	X	4	4	1	3	21			
#7 Chipper	Y	8					100	100	97

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	454.795	417.776	336.077	10.829	70.870			37.019
Net Merch - Live	m3/ha	445.050	408.031	326.332	10.829	70.870			37.019
Net Merch - DP	m3/ha	9.745	9.745	9.745					
Decay	%	1							7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4			12
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Useless Dead/Living	%								
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	2	3	3		
#4 Sawlog	J	66	71	74	93	58
#5 Utility	U	20	21	22	4	20
#6 Utility	X	4	5	1	3	22
#7 Chipper	Y	8				100

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	1225	1108	1070		37	33	58	26
Net Merchantable	m3	1170	1064	1028		36	28	55	23
Net Merch - All	m3/ha	224.994	204.533	197.628		6.905	5.460	10.556	4.445
Net Merch - Live	m3/ha	224.994	204.533	197.628		6.905	5.460	10.556	4.445
Net Merch - DP	m3/ha								
Decay	%	0					10	0	6
Waste(billing)	%								
Total Cull (DWB)	%	5	4	4		4	15	5	11
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Useless Dead/Living	%	22	25	26					
Net Second Growth	%		100.0	100.0		100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%								
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[All Treatment Units : 19.6]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	8098	7376	6112	164	1100	33	58	630
Net Merchantable	m3	7719	7080	5867	156	1056	28	55	556
Net Merch - All	m3/ha	393.827	361.201	299.346	7.956	53.900	1.449	2.801	28.377
Net Merch - Live	m3/ha	386.668	354.042	292.186	7.956	53.900	1.449	2.801	28.377
Net Merch - DP	m3/ha	7.160	7.160	7.160					
Decay	%	1					10	0	7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.65	1.88	0.25	0.47
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.33	0.66	0.20	0.22
Useless Dead/Living	%	4	5	6					
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								
% Average Slope		35							
Algorithm Grades %									
#2 Sawlog	H	3	3	4					
#3 Sawlog	I					2			
#4 Sawlog	J	65	71	72	93	58			
#5 Utility	U	20	22	23	4	19			3
#6 Utility	X	4	4	1	3	21			
#7 Chipper	Y	8					100	100	97

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	454.795	417.776	336.077	10.829	70.870			37.019
Net Merch - Live	m3/ha	445.050	408.031	326.332	10.829	70.870			37.019
Net Merch - DP	m3/ha	9.745	9.745	9.745					
Decay	%	1							7
Waste(billing)	%	0							0
Total Cull (DWB)	%	5	4	4	5	4			12
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Useless Dead/Living	%								
Net Second Growth	%		100.0	100.0	100.0	100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%	1	1	1					
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	2	3	3		
#4 Sawlog	J	66	71	74	93	58
#5 Utility	U	20	21	22	4	20
#6 Utility	X	4	5	1	3	22
#7 Chipper	Y	8				100

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	1225	1108	1070		37	33	58	26
Net Merchantable	m3	1170	1064	1028		36	28	55	23
Net Merch - All	m3/ha	224.994	204.533	197.628		6.905	5.460	10.556	4.445
Net Merch - Live	m3/ha	224.994	204.533	197.628		6.905	5.460	10.556	4.445
Net Merch - DP	m3/ha								
Decay	%	0					10	0	6
Waste(billing)	%								
Total Cull (DWB)	%	5	4	4		4	15	5	11
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Useless Dead/Living	%	22	25	26					
Net Second Growth	%		100.0	100.0		100.0			
All Burn Volume	%								
Heavy Fire Volume	%								
Blowdown Volume	%								
Insect Volume	%								

Algorithm Grades %

#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [All Treatment Units : 19.6]
Gross Area: [TLA : 0.3][Grand Total : 19.9]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	8098	7376	6112	164	1100	33	58	630
Net Merchantable	m3	7719	7080	5867	156	1056	28	55	556
Net Merch - All	m3/ha	394	361	299	8	54	1	3	28
Distribution	%	100	92	76	2	14	0	1	7
Decay	%	1					10	0	7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4	5	5	5
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Stems/Ha (Live & DP)		622.8	549.9	459.2	8.2	82.5	0.8	11.4	60.8
Avg DBH (Live & DP)	cm	30.0	30.6	30.8	39.8	28.5	53.1	19.6	26.0
Snags/Ha		26.9	26.9	26.9					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.68	0.68	1.02	0.68	2.21	0.26	0.53
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.65	1.88	0.25	0.47
Avg Weight Total Ht	m	28.7	28.7	28.9	26.2	28.0	30.2	22.0	29.2
Avg Weight Merch Ht	m	23.1	23.4	23.7	21.5	21.5	24.6	14.6	20.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.33	0.66	0.20	0.22
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.33	0.74	0.20	0.24
Avg # of 10.0 m Logs/Tree		2.11	2.12	2.13	2.35	2.06	3.00	1.31	2.20
Net Immature	%	91.7	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	3	3	4					
#3 Sawlog	I					2			
#4 Sawlog	J	65	71	72	93	58			
#5 Utility	U	20	22	23	4	19			3
#6 Utility	X	4	4	1	3	21			
#7 Chipper	Y	8					100	100	97
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9	314.7	174.3	447.2	447.2	429.0
Two Standard Error	%	22.4	22.0	24.4	147.9	81.9	210.1	210.1	201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9	314.7	174.3			429.0
Two Standard Error	%	22.4	22.0	24.4	147.9	81.9			201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	1225	1108	1070		37	33	58	26
Net Merchantable	m3	1170	1064	1028		36	28	55	23
Net Merch - All	m3/ha	225	205	198		7	5	11	4
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		358.8	296.9	293.9		3.0	2.9	42.8	16.2
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9		174.3	447.2	447.2	429.0
Two Standard Error	%	22.4	22.0	24.4		81.9	210.1	210.1	201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]
Gross Area: [TLA : 0.3][Grand Total : 19.9]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	8098	7376	6112	164	1100	33	58	630
Net Merchantable	m3	7719	7080	5867	156	1056	28	55	556
Net Merch - All	m3/ha	394	361	299	8	54	1	3	28
Distribution	%	100	92	76	2	14	0	1	7
Decay	%	1					10	0	7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4	5	5	5
Total Cull (DWB)	%	5	4	4	5	4	15	5	12
Stems/Ha (Live & DP)		622.9	549.9	459.2	8.2	82.5	0.8	11.4	60.8
Avg DBH (Live & DP)	cm	30.0	30.6	30.8	39.8	28.5	53.1	19.6	26.0
Snags/Ha		26.9	26.9	26.9					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.68	0.68	1.02	0.68	2.21	0.26	0.53
Net Merch Vol/Tree	m3	0.63	0.66	0.65	0.97	0.65	1.88	0.25	0.47
Avg Weight Total Ht	m	28.7	28.7	28.9	26.2	28.0	30.2	22.0	29.2
Avg Weight Merch Ht	m	23.1	23.4	23.7	21.5	21.5	24.6	14.6	20.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.33	0.66	0.20	0.22
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.33	0.74	0.20	0.24
Avg # of 10.0 m Logs/Tree		2.11	2.12	2.13	2.35	2.06	3.00	1.31	2.20
Net Immature	%	91.7	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	3	3	4					
#3 Sawlog	I					2			
#4 Sawlog	J	65	71	72	93	58			
#5 Utility	U	20	22	23	4	19			3
#6 Utility	X	4	4	1	3	21			
#7 Chipper	Y	8					100	100	97
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9	314.7	174.3	447.2	447.2	429.0
Two Standard Error	%	22.4	22.0	24.4	147.9	81.9	210.1	210.1	201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics
Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9	314.7	174.3			429.0
Two Standard Error	%	22.4	22.0	24.4	147.9	81.9			201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics

Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	1225	1108	1070		37	33	58	26
Net Merchantable	m3	1170	1064	1028		36	28	55	23
Net Merch - All	m3/ha	225	205	198		7	5	11	4
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		358.8	296.9	293.9		3.0	2.9	42.8	16.2
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Average Slope	%	35							
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	47.6	46.8	51.9		174.3	447.2	447.2	429.0
Two Standard Error	%	22.4	22.0	24.4		81.9	210.1	210.1	201.6
Number and Type of Plots		MP = 20							
Number of Potential Trees		112							
Plots/Ha		1.0							
Cruised Trees/Plot		5.7							

Slope % Statistics

Min= 13, Max= 88, CV=45.9, Std Error of Mean=3.6, 2SE%=21.5

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	6872	6268	5041	164	1063			604
Net Merchantable	m3	6549	6016	4840	156	1021			533
Net Merch - All	m3/ha	455	418	336	11	71			37
Distribution	%	100	92	74	2	16			8
Decay	%	1							7
Waste	%	0							0
Waste(billing)	%	0							0
Breakage	%	4	4	4	5	4			5
Total Cull (DWB)	%	5	4	4	5	4			12
Stems/Ha (Live & DP)		718.2	641.3	518.9	11.1	111.3			76.9
Avg DBH (Live & DP)	cm	30.1	30.6	30.8	39.8	28.1			26.2
Snags/Ha									
Avg Snag DBH	cm								
Gross Merch Vol/Tree	m3	0.66	0.68	0.67	1.02	0.66			0.55
Net Merch Vol/Tree	m3	0.63	0.65	0.65	0.97	0.64			0.48
Avg Weight Total Ht	m	28.5	28.4	28.6	26.2	27.9			29.4
Avg Weight Merch Ht	m	22.9	23.1	23.5	21.5	21.4			21.0
Avg 10.0 m Log Net	m3	0.31	0.32	0.32	0.43	0.32			0.23
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32	0.43	0.32			0.25
Avg # of 10.0 m Logs/Tree		2.12	2.10	2.11	2.35	2.05			2.21
Net Immature	%	91.9	100.0	100.0	100.0	100.0			
Net 2nd Growth	%		100.0						
Algorithm Grades %									
#2 Sawlog	H	2	3	3					
#4 Sawlog	J	66	71	74	93	58			
#5 Utility	U	20	21	22	4	20			
#6 Utility	X	4	5	1	3	22			
#7 Chipper	Y	8							100
Statistical Summary									
Coeff. of Variation	%	43.8	42.3	47.4	253.8	144.9			360.6
Two Standard Error	%	26.5	25.6	28.7	153.4	87.6			217.9
Number and Type of Plots		MP = 13							
Number of Potential Trees		74							
Plots/Ha		0.9							
Cruised Trees/Plot		5.7							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

		Total	Conifer	F	C	H	AC	D	MB
Utilization Limits									
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0	10.0
Volume and Size Data									
Gross Merchantable	m3	1225	1108	1070		37	33	58	26
Net Merchantable	m3	1170	1064	1028		36	28	55	23
Net Merch - All	m3/ha	225	205	198		7	5	11	4
Distribution	%	100	91	88		3	2	5	2
Decay	%	0					10	0	6
Waste	%								
Waste(billing)	%								
Breakage	%	4	4	4		4	5	5	5
Total Cull (DWB)	%	5	4	4		4	15	5	11
Stems/Ha (Live & DP)		358.8	296.9	293.9		3.0	2.9	42.8	16.2
Avg DBH (Live & DP)	cm	29.4	30.6	30.3		52.5	53.1	19.6	22.5
Snags/Ha		101.5	101.5	101.5					
Avg Snag DBH	cm	12.7	12.7	12.7					
Gross Merch Vol/Tree	m3	0.66	0.72	0.70		2.42	2.21	0.26	0.31
Net Merch Vol/Tree	m3	0.63	0.69	0.67		2.33	1.88	0.25	0.27
Avg Weight Total Ht	m	29.8	30.3	30.4		29.7	30.2	22.0	23.0
Avg Weight Merch Ht	m	24.2	24.9	24.9		24.9	24.6	14.6	14.8
Avg 10.0 m Log Net	m3	0.31	0.32	0.32		0.81	0.66	0.20	0.15
Avg 10.0 m Log Gross	m3	0.31	0.32	0.32		0.81	0.74	0.20	0.15
Avg # of 10.0 m Logs/Tree		2.10	2.21	2.20		3.00	3.00	1.31	2.00
Net Immature	%	90.9	100.0	100.0		100.0			
Net 2nd Growth	%		100.0						
Algorithm Grades %									
#2 Sawlog	H	6	7	7					
#3 Sawlog	I	3	3	1		64			
#4 Sawlog	J	59	65	66		32			
#5 Utility	U	23	24	25					81
#6 Utility	X	1	1	1		4			
#7 Chipper	Y	8					100	100	19
Statistical Summary									
Coeff. of Variation	%	46.3	55.7	62.3		264.6	264.6	264.6	264.6
Two Standard Error	%	42.9	51.5	57.6		244.7	244.7	244.7	244.7
Number and Type of Plots		MP = 7							
Number of Potential Trees		38							
Plots/Ha		1.3							
Cruised Trees/Plot		5.6							

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***
FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	62.7				7.9		70.6			26.9
20	58.2		16.2			29.8	104.2			
25	149.7		32.1		3.5	4.3	189.7			
30	36.4		7.1			21.0	64.5	8.3		
35	39.9	5.3	22.1			5.7	73.0			
40	37.3		4.2				41.5	4.0		
45	42.6	2.9					45.5			
50	7.0						7.0			
55	9.2		0.8	0.8			10.7			
60	2.3						2.3			
65	0.5						0.5			
70	0.9						0.9			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	446.8	8.2	82.5	0.8	11.4	60.8	610.5			
Dead P	12.4							12.4		
Dead U										
Live U	26.9									26.9
			Average DBH(cm) at 5 Levels							
12.5 +	30.7	39.8	28.5	53.1	19.6	26.0	30.0	32.4		12.7
17.5 +	32.5	39.8	28.5	53.1	25.0	26.0	31.4	32.4		
22.5 +	34.3	39.8	30.2	53.1	25.0	30.1	33.5	32.4		
27.5 +	40.4	39.8	34.6	53.1		31.2	38.8	32.4		
32.5 +	42.7	39.8	35.7	53.1		33.6	41.4	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	36.4				29.7		66.1			101.5
20	38.4						38.4			
25	110.1				13.1	16.2	139.4			
30	25.4						25.4			
35	34.9						34.9			
40	14.8						14.8			
45	16.8						16.8			
50	6.7						6.7			
55	2.9		3.0	2.9			8.8			
60	2.2						2.2			
65	2.0						2.0			
70	3.4						3.4			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	293.9		3.0	2.9	42.8	16.2	358.8			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	6.9				1.3		8.1			
20	12.4		3.5			8.0	23.8			
25	60.6		14.3		1.5	1.2	77.6			
30	21.5		5.6			14.3	41.4	3.6		
35	35.8	2.9	22.2			4.9	65.8			
40	45.1		6.5				51.6	3.6		
45	61.9	5.0					67.0			
50	15.0						15.0			
55	21.1		1.8	1.4			24.4			
60	6.5						6.5			
65	1.8						1.8			
70	3.6						3.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	292.2	8.0	53.9	1.4	2.8	28.4	386.7			
Dead P	7.2							7.2		
			Total Volumes for 7 Levels							
17.5 +	285.3	8.0	53.9	1.4	1.5	28.4	378.5	7.2		
22.5 +	273.0	8.0	50.4	1.4	1.5	20.4	354.7	7.2		
27.5 +	212.4	8.0	36.1	1.4		19.2	277.2	7.2		
32.5 +	190.9	8.0	30.5	1.4		4.9	235.7	3.6		
37.5 +	155.1	5.0	8.3	1.4			169.9	3.6		
42.5 +	110.1	5.0	1.8	1.4			118.4			
47.5 +	48.1		1.8	1.4			51.4			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	3.8				4.8		8.6			
20	9.6						9.6			
25	43.7				5.8	4.4	54.0			
30	18.5						18.5			
35	30.2						30.2			
40	19.2						19.2			
45	25.5						25.5			
50	13.2						13.2			
55	6.6		6.9	5.5			19.0			
60	6.6						6.6			
65	6.9						6.9			
70	13.6						13.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	197.6		6.9	5.5	10.6	4.4	225.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	193.8		6.9	5.5	5.8	4.4	216.4			
22.5 +	184.2		6.9	5.5	5.8	4.4	206.8			
27.5 +	140.5		6.9	5.5			152.8			
32.5 +	121.9		6.9	5.5			134.3			
37.5 +	91.7		6.9	5.5			104.0			
42.5 +	72.5		6.9	5.5			84.9			
47.5 +	47.0		6.9	5.5			59.3			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.2				0.2		1.4			0.3
20	1.9		0.5			1.0	3.4			
25	7.5		1.5		0.2	0.2	9.3			
30	2.5		0.5			1.5	4.6	0.5		
35	3.9	0.5	2.0			0.5	7.0			
40	4.6		0.5				5.1	0.5		
45	6.8	0.5					7.3			
50	1.4						1.4			
55	2.2		0.2	0.2			2.5			
60	0.7						0.7			
65	0.2						0.2			
70	0.3						0.3			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	33.1	1.0	5.3	0.2	0.3	3.2	43.1			
Dead P	1.0							1.0		
Dead U										
Live U	0.3									0.3
Average Basal Area (m2) at 5 Levels										
12.5 +	33.1	1.0	5.3	0.2	0.3	3.2	43.1	1.0		0.3
17.5 +	31.9	1.0	5.3	0.2	0.2	3.2	41.7	1.0		
22.5 +	30.0	1.0	4.7	0.2	0.2	2.2	38.4	1.0		
27.5 +	22.6	1.0	3.2	0.2		2.0	29.0	1.0		
32.5 +	20.0	1.0	2.7	0.2		0.5	24.4	0.5		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	0.6				0.6		1.3			1.3
20	1.3						1.3			
25	5.1				0.6	0.6	6.4			
30	1.9						1.9			
35	3.2						3.2			
40	1.9						1.9			
45	2.6						2.6			
50	1.3						1.3			
55	0.6		0.6	0.6			1.9			
60	0.6						0.6			
65	0.6						0.6			
70	1.3						1.3			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	21.2		0.6	0.6	1.3	0.6	24.4			
Dead P										
Dead U										
Live U	1.3									1.3
Average Basal Area (m2) at 5 Levels										
12.5 +	21.2		0.6	0.6	1.3	0.6	24.4			1.3
17.5 +	20.6		0.6	0.6	0.6	0.6	23.1			
22.5 +	19.3		0.6	0.6	0.6	0.6	21.9			
27.5 +	14.1		0.6	0.6			15.4			
32.5 +	12.2		0.6	0.6			13.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	62.7				7.9		70.6			26.9
20	58.2		16.2			29.8	104.2			
25	149.7		32.1		3.5	4.3	189.7			
30	36.4		7.1			21.0	64.5	8.3		
35	39.9	5.3	22.1			5.7	73.0			
40	37.3		4.2				41.5	4.0		
45	42.6	2.9					45.5			
50	7.0						7.0			
55	9.2		0.8	0.8			10.7			
60	2.3						2.3			
65	0.5						0.5			
70	0.9						0.9			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	446.8	8.2	82.5	0.8	11.4	60.8	610.5			
Dead P	12.4							12.4		
Dead U										
Live U	26.9									26.9
			Average DBH(cm) at 5 Levels							
12.5 +	30.7	39.8	28.5	53.1	19.6	26.0	30.0	32.4		12.7
17.5 +	32.5	39.8	28.5	53.1	25.0	26.0	31.4	32.4		
22.5 +	34.3	39.8	30.2	53.1	25.0	30.1	33.5	32.4		
27.5 +	40.4	39.8	34.6	53.1		31.2	38.8	32.4		
32.5 +	42.7	39.8	35.7	53.1		33.6	41.4	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	36.4				29.7		66.1			101.5
20	38.4						38.4			
25	110.1				13.1	16.2	139.4			
30	25.4						25.4			
35	34.9						34.9			
40	14.8						14.8			
45	16.8						16.8			
50	6.7						6.7			
55	2.9		3.0	2.9			8.8			
60	2.2						2.2			
65	2.0						2.0			
70	3.4						3.4			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	293.9		3.0	2.9	42.8	16.2	358.8			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	6.9				1.3		8.1			
20	12.4		3.5			8.0	23.8			
25	60.6		14.3		1.5	1.2	77.6			
30	21.5		5.6			14.3	41.4	3.6		
35	35.8	2.9	22.2			4.9	65.8			
40	45.1		6.5				51.6	3.6		
45	61.9	5.0					67.0			
50	15.0						15.0			
55	21.1		1.8	1.4			24.4			
60	6.5						6.5			
65	1.8						1.8			
70	3.6						3.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	292.2	8.0	53.9	1.4	2.8	28.4	386.7			
Dead P	7.2							7.2		
			Total Volumes for 7 Levels							
17.5 +	285.3	8.0	53.9	1.4	1.5	28.4	378.5	7.2		
22.5 +	273.0	8.0	50.4	1.4	1.5	20.4	354.7	7.2		
27.5 +	212.4	8.0	36.1	1.4		19.2	277.2	7.2		
32.5 +	190.9	8.0	30.5	1.4		4.9	235.7	3.6		
37.5 +	155.1	5.0	8.3	1.4			169.9	3.6		
42.5 +	110.1	5.0	1.8	1.4			118.4			
47.5 +	48.1		1.8	1.4			51.4			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	3.8				4.8		8.6			
20	9.6						9.6			
25	43.7				5.8	4.4	54.0			
30	18.5						18.5			
35	30.2						30.2			
40	19.2						19.2			
45	25.5						25.5			
50	13.2						13.2			
55	6.6		6.9	5.5			19.0			
60	6.6						6.6			
65	6.9						6.9			
70	13.6						13.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	197.6		6.9	5.5	10.6	4.4	225.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	193.8		6.9	5.5	5.8	4.4	216.4			
22.5 +	184.2		6.9	5.5	5.8	4.4	206.8			
27.5 +	140.5		6.9	5.5			152.8			
32.5 +	121.9		6.9	5.5			134.3			
37.5 +	91.7		6.9	5.5			104.0			
42.5 +	72.5		6.9	5.5			84.9			
47.5 +	47.0		6.9	5.5			59.3			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [All Treatment Units : 19.6]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.2				0.2		1.4			0.3
20	1.9		0.5			1.0	3.4			
25	7.5		1.5		0.2	0.2	9.3			
30	2.5		0.5			1.5	4.6	0.5		
35	3.9	0.5	2.0			0.5	7.0			
40	4.6		0.5				5.1	0.5		
45	6.8	0.5					7.3			
50	1.4						1.4			
55	2.2		0.2	0.2			2.5			
60	0.7						0.7			
65	0.2						0.2			
70	0.3						0.3			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	33.1	1.0	5.3	0.2	0.3	3.2	43.1			
Dead P	1.0							1.0		
Dead U										
Live U	0.3									0.3
Average Basal Area (m2) at 5 Levels										
12.5 +	33.1	1.0	5.3	0.2	0.3	3.2	43.1	1.0		0.3
17.5 +	31.9	1.0	5.3	0.2	0.2	3.2	41.7	1.0		
22.5 +	30.0	1.0	4.7	0.2	0.2	2.2	38.4	1.0		
27.5 +	22.6	1.0	3.2	0.2		2.0	29.0	1.0		
32.5 +	20.0	1.0	2.7	0.2		0.5	24.4	0.5		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B11, Plots in Block: 20, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	0.6				0.6		1.3			1.3
20	1.3						1.3			
25	5.1				0.6	0.6	6.4			
30	1.9						1.9			
35	3.2						3.2			
40	1.9						1.9			
45	2.6						2.6			
50	1.3						1.3			
55	0.6		0.6	0.6			1.9			
60	0.6						0.6			
65	0.6						0.6			
70	1.3						1.3			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	21.2		0.6	0.6	1.3	0.6	24.4			
Dead P										
Dead U										
Live U	1.3									1.3
			Average Basal Area (m2) at 5 Levels							
12.5 +	21.2		0.6	0.6	1.3	0.6	24.4			1.3
17.5 +	20.6		0.6	0.6	0.6	0.6	23.1			
22.5 +	19.3		0.6	0.6	0.6	0.6	21.9			
27.5 +	14.1		0.6	0.6			15.4			
32.5 +	12.2		0.6	0.6			13.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	72.2						72.2			
20	65.4		22.0			40.6	128.0			
25	164.0		43.8				207.8			
30	40.4		9.7			28.5	78.7	11.3		
35	41.7	7.2	30.1			7.8	86.8			
40	45.4		5.7				51.1	5.5		
45	51.9	3.9					55.8			
50	7.1						7.1			
55	11.4						11.4			
60	2.4						2.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	502.1	11.1	111.3			76.9	701.4			
Dead P	16.8							16.8		
Dead U										
Live U										
			Average DBH(cm) at 5 Levels							
12.5 +	30.8	39.8	28.1			26.2	30.1	32.4		
17.5 +	32.7	39.8	28.1			26.2	31.3	32.4		
22.5 +	34.4	39.8	29.8			31.2	33.6	32.4		
27.5 +	40.3	39.8	34.1			31.2	38.4	32.4		
32.5 +	42.6	39.8	35.1			33.6	41.0	40.0		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	36.4				29.7		66.1			101.5
20	38.4						38.4			
25	110.1				13.1	16.2	139.4			
30	25.4						25.4			
35	34.9						34.9			
40	14.8						14.8			
45	16.8						16.8			
50	6.7						6.7			
55	2.9		3.0	2.9			8.8			
60	2.2						2.2			
65	2.0						2.0			
70	3.4						3.4			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	293.9		3.0	2.9	42.8	16.2	358.8			
Dead P										
Dead U										
Live U	101.5									101.5
		Average DBH(cm) at 5 Levels								
12.5 +	30.3		52.5	53.1	19.6	22.5	29.4			12.7
17.5 +	31.9		52.5	53.1	25.0	22.5	31.7			
22.5 +	33.5		52.5	53.1	25.0	22.5	33.1			
27.5 +	40.6		52.5	53.1			41.4			
32.5 +	43.1		52.5	53.1			43.8			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	8.0						8.0			
20	13.3		4.7			10.9	28.9			
25	66.6		19.5				86.1			
30	22.6		7.6			19.5	49.7	4.8		
35	37.8	4.0	30.2			6.7	78.7			
40	54.4		8.8				63.2	4.9		
45	75.1	6.8					81.9			
50	15.7						15.7			
55	26.4						26.4			
60	6.4						6.4			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	326.3	10.8	70.9			37.0	445.0			
Dead P	9.7							9.7		
Total Volumes for 7 Levels										
17.5 +	318.4	10.8	70.9			37.0	437.1	9.7		
22.5 +	305.0	10.8	66.2			26.1	408.1	9.7		
27.5 +	238.4	10.8	46.7			26.1	322.0	9.7		
32.5 +	215.8	10.8	39.1			6.7	272.4	4.9		
37.5 +	178.0	6.8	8.8				193.7	4.9		
42.5 +	123.6	6.8					130.4			
47.5 +	48.5						48.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	3.8				4.8		8.6			
20	9.6						9.6			
25	43.7				5.8	4.4	54.0			
30	18.5						18.5			
35	30.2						30.2			
40	19.2						19.2			
45	25.5						25.5			
50	13.2						13.2			
55	6.6		6.9	5.5			19.0			
60	6.6						6.6			
65	6.9						6.9			
70	13.6						13.6			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	197.6		6.9	5.5	10.6	4.4	225.0			
Dead P										
		Total Volumes for 7 Levels								
17.5 +	193.8		6.9	5.5	5.8	4.4	216.4			
22.5 +	184.2		6.9	5.5	5.8	4.4	206.8			
27.5 +	140.5		6.9	5.5			152.8			
32.5 +	121.9		6.9	5.5			134.3			
37.5 +	91.7		6.9	5.5			104.0			
42.5 +	72.5		6.9	5.5			84.9			
47.5 +	47.0		6.9	5.5			59.3			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd, Plots in Type: 13, TUs: [A 100% Cut : 14.4]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	1.4						1.4			
20	2.1		0.7			1.4	4.2			
25	8.3		2.1				10.4			
30	2.8		0.7			2.1	5.5	0.7		
35	4.2	0.7	2.8			0.7	8.3			
40	5.5		0.7				6.2	0.7		
45	8.3	0.7					9.0			
50	1.4						1.4			
55	2.8						2.8			
60	0.7						0.7			
65										
70										
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	37.4	1.4	6.9			4.2	49.8			
Dead P	1.4							1.4		
Dead U										
Live U										
			Average Basal Area (m2) at 5 Levels							
12.5 +	37.4	1.4	6.9			4.2	49.8	1.4		
17.5 +	36.0	1.4	6.9			4.2	48.5	1.4		
22.5 +	33.9	1.4	6.2			2.8	44.3	1.4		
27.5 +	25.6	1.4	4.2			2.8	33.9	1.4		
32.5 +	22.8	1.4	3.5			0.7	28.4	0.7		

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Fd, Plots in Type: 7, TUs: [B 50% Cut : 5.2]

	F	C	H	AC	D	MB	Total	DP	DU	LU
Utilization Limits										
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class										
5										
10										
15	0.6				0.6		1.3			1.3
20	1.3						1.3			
25	5.1				0.6	0.6	6.4			
30	1.9						1.9			
35	3.2						3.2			
40	1.9						1.9			
45	2.6						2.6			
50	1.3						1.3			
55	0.6		0.6	0.6			1.9			
60	0.6						0.6			
65	0.6						0.6			
70	1.3						1.3			
75										
80										
85										
90										
95										
100										
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
175										
200										
225										
250										
275										
Total	21.2		0.6	0.6	1.3	0.6	24.4			
Dead P										
Dead U										
Live U	1.3									1.3
			Average Basal Area (m2) at 5 Levels							
12.5 +	21.2		0.6	0.6	1.3	0.6	24.4			1.3
17.5 +	20.6		0.6	0.6	0.6	0.6	23.1			
22.5 +	19.3		0.6	0.6	0.6	0.6	21.9			
27.5 +	14.1		0.6	0.6			15.4			
32.5 +	12.2		0.6	0.6			13.5			

*** 1 tree(s) changed to tree class 6:because only log was less then 3.00 m ***

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%
001: B11	1	3	2	SC	15	1	7	2	SC	42	1	23	1	SC	38	1	21	1	SC	48
	1	22	1	SC	36	1	14	2	SC	28	1	18	2	SC	24	1	13	2	SC	36
	1	9	2	SC	88	1	10	2	SC	26	1	8	1	SC	13	1	11	1	SC	35
	1	6	1	SC	36	1	4	1	SC	48	1	5	1	SC	53	1	19	1	SC	27
	1	20	1	SC	25	1	16	1	SC	35	1	12	1	SC	35	1	15	1	SC	21

Summary: Total % Slope: 709 No. of Plots: 20 Weighted Average % Slope: 35.2 Arithmetic Average % Slope: 35.5

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method Summary

Harvest Method	Total % Slope	No of Plots	Avg % Weighted Slope	Avg % Arithmetic Slope
SC	709	20	35.2	
Total	709	20	35.2	35.5

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:54:32PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Plot Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	Ref No. M
1-Fd	001	1	4	9.000F	48	Doug-Fir	5	1070.67	23.13	368.09	368.09	353.37	353.37		101		
						All Sp.	5	1070.67	23.13	368.09	368.09	353.37	353.37	1303			
		1	5	9.000F	53	Doug-Fir	7	1042.28	27.74	533.18	533.18	511.85	511.85		101		
						All Sp.	7	1042.28	27.74	533.18	533.18	511.85	511.85	1303			
		1	6	9.000F	36	Doug-Fir	3	195.10	41.98	284.40	284.40	273.02	273.02		101		
						Hemlock	3	395.69	29.48	298.75	298.75	286.80	286.80		301		
						All Sp.	6	590.80	34.11	583.15	583.15	559.82	559.82	1303			
		1	8	9.000F	13	W.R. Cedar	1	93.54	35.00	54.74	54.74	52.00	52.00		201		
						Doug-Fir	3	273.46	35.46	208.54	208.54	200.19	200.19		101		
						Down	1	147.21	27.90	65.57	65.57	62.95	62.95		101		
						All Sp.	4	367.01	35.34	263.27	263.27	252.19	252.19	1303			
		1	11	9.000F	35	Doug-Fir	2	312.83	27.07	129.64	129.64	124.45	124.45		101		
						All Sp.	2	312.83	27.07	129.64	129.64	124.45	124.45	1303			
		1	12	9.000F	35	Doug-Fir	3	210.85	40.38	313.80	313.80	301.25	301.25		101		
						Maple	6	999.88	26.22	545.35	508.61	481.34	481.24				1310
						All Sp.	9	1210.73	29.19	859.15	822.41	782.59	782.49	1303			
		1	15	9.000F	21	Doug-Fir	6	587.21	34.22	475.58	475.58	456.56	456.56		101		
						All Sp.	6	587.21	34.22	475.58	475.58	456.56	456.56	1303			
		1	16	9.000F	35	Doug-Fir	8	813.58	33.57	727.65	727.65	698.55	698.55		101		
						All Sp.	8	813.58	33.57	727.65	727.65	698.55	698.55	1303			
		1	19	9.000F	27	Doug-Fir	2	187.27	34.98	161.85	161.85	155.37	155.37		101		
						Hemlock	2	395.29	24.08	173.54	173.54	166.60	166.60		301		
						All Sp.	4	582.56	28.05	335.39	335.39	321.97	321.97	1303			
		1	20	9.000F	25	Doug-Fir	3	553.43	24.92	212.65	212.65	204.14	204.14		101		
						Hemlock	2	387.38	24.32	145.46	145.46	139.64	139.64		301		
						All Sp.	5	940.80	24.68	358.10	358.10	343.78	343.78	1303			
		1	21	9.000F	48	W.R. Cedar	1	51.22	47.30	93.45	93.45	88.77	88.77		201		
						Doug-Fir	5	844.64	26.05	447.37	447.37	429.47	429.47		101		
						Hemlock	2	174.72	36.22	239.02	239.02	229.46	229.46		301		
						All Sp.	8	1070.58	29.26	779.83	779.83	747.71	747.71	1303			
		1	22	9.000F	36	Doug-Fir	4	211.29	46.58	356.49	356.49	342.23	342.23		101		
						Hemlock	1	93.54	35.00	102.93	102.93	98.81	98.81		301		
						All Sp.	5	304.84	43.35	459.41	459.41	441.04	441.04	1303			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMMUN FOREST
Licence Number: K2D CP: 000
Project: CB B11

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Nootka
Region: 1 - Coastal
District: 4 - South Island

10-Mar-2013 09:54:32PM
Filename: B11.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Plot Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	Ref No. M
1-Fd	001	1	23	9.000F	38	Doug-Fir	5	442.93	35.97	331.82	331.82	318.55	318.55		101		
						All Sp.	5	442.93	35.97	331.82	331.82	318.55	318.55	1303			
2-Fd	001	1	3	9.000F	15	Doug-Fir	8	479.68	30.91	374.75	374.75	359.76	359.76		101		
						All Sp.	8	479.68	30.91	374.75	374.75	359.76	359.76	1303			
		1	7	9.000F	42	Doug-Fir	7	696.70	23.99	268.24	268.24	257.51	257.51		101		
						All Sp.	7	696.70	23.99	268.24	268.24	257.51	257.51	1303			
		1	9	9.000F	88	Doug-Fir	8	613.48	27.33	325.77	325.77	312.74	312.74		101		
						All Sp.	8	613.48	27.33	325.77	325.77	312.74	312.74	1303			
		1	10	9.000F	26	Doug-Fir	1	53.26	32.80	41.31	41.31	39.66	39.66		101		
						Hemlock	1	20.79	52.50	50.35	50.35	48.34	48.34		301		
						All Sp.	2	74.04	39.34	91.66	91.66	87.99	87.99	1303			
		1	13	9.000F	36	Doug-Fir	5	148.90	43.86	237.65	237.65	228.15	228.15		101		
						Maple	1	113.18	22.50	35.04	32.87	31.12	31.12				1310
						All Sp.	6	262.08	36.22	272.69	270.52	259.26	259.26	1303			
		1	14	9.000F	28	Doug-Fir	2	35.92	56.48	94.52	94.52	90.74	90.74		101		
						All Sp.	2	35.92	56.48	94.52	94.52	90.74	90.74	1303			
		1	18	9.000F	24	Cottonwood	1	20.32	53.10	44.97	40.47	38.22	38.22				1110
						Alder	2	299.60	19.56	78.14	77.80	73.89	73.89				1210
						Doug-Fir	3	739.96	17.60	98.78	98.78	94.83	94.83		101		
						All Sp.	6	1059.88	19.45	221.90	217.06	206.95	206.95	1303			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots	13	7
ha / Plot	1.11	0.74
Cutting Permit		
# of Plots	13	7
ha / Plot	1.11	0.74

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots	13	7
ha / Plot	1.11	0.74
All Methods		
# of Plots	13	7
ha / Plot	1.11	0.74

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Blocks	Timber Type 1	Timber Type 2
BLOCK 001 (I)		
# of Plots		
ha / Plot		
Cutting Permit		
# of Plots		
ha / Plot		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	10-Mar-2013 09:54:32PM
ALBERNI VALLEY COMMUN FOREST	Computerized Decay	PSYU: Nootka	Filename: B11.ccp
Licence Number: K2D CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B11	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots		
ha / Plot		
All Methods		
# of Plots		
ha / Plot		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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ALBERNI VALLEY COMUN.FOREST

TBA - CP# 000

Sproat Lake
Block #: B12

SUMMARY OF VOLUMES (loss factors)
P E R C E N T R E D U C T I O N A P P L I E D

03-May-2013 06:07:27AM

Cruised by: CONTOUR FOREST CONSULTANTS INC
Compiled by: F. Warren and Associates Ltd

Appraisal Summary Report

03-May-2013 06:07:27AM

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12
Location : Sproat Lake

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage
No Of Blocks : 1

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Net Area: [All Treatment Units : 16.1]

All Method Summary

Algorithm Grades %							Net Volume (m3)			Net Volume / ha		
Code	Species Description	H	J	U	X	Y	All	Live	DP	All	Live	DP
CE	Cedar	30	31	24	15		202	202	0	12.573	12.573	0.000
FI	Doug-Fir	4	70	25	1		4557	4473	84	283.065	277.851	5.214
HE	Hemlock		52		48		220	119	101	13.635	7.378	6.257
AL	Alder					100	97	97	0	6.007	6.007	0.000
MA	Maple					100	421	421	0	26.170	26.170	0.000
	Total						5497	5313	185	341.450	329.979	11.471

Harvesting Method Summaries

Harvest Method	Net Volume	Net Vol /10m Log	Net Vol /Hectare	Hem+ Bal%	Partial Cut%	Slope%	Down Tree%	Heavy Fire%
SC	5497	0.30	341.450	4	96	28	0	0
Conventional Methods	5497	0.30	341.450	4	96	28	0	0
All Methods	5497	0.30	341.450	4	96		0	0

Cutting Authority

See pre reduction compilation for statistics

Plots/Ha	1.0
Cruised Trees/Plot	4.4
Net 2nd Growth-Conifer %	100.0
Net 2nd Growth-Conifer (m3)	4979
Net Immature by Block %	001: 91%
Non Heli Select Conifer (m3/ha)	309.27
Heli Select Total (decimal)	0.00
Heli+Skyline Total (decimal)	0.00
Piece Size - Conifer (m3/10m log)	0.31

Plots: 16 # <= 5yrs: 8 # > 5yrs: 8 # > 10yrs: 0 # no date: 0

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Volume Statistical Analysis

03-May-2013 06:07:27AM

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Net Volume m3/ha	Proportional Volume	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd (HwMbCwDr)	0	14	14	15.6	341.6	0.97	0	59	59	166.4652	48.7	13.0	28.1
2 :Outside R/W	0	2	2	0.5	337.5	0.03	0	11	11	205.2816	60.8	43.0	546.4
TOTAL	0	16	16	16.1	341.4		0	70	70		50.8	12.7	27.2

Number of live & dead potential trees sampled is 70
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 0

The weighted sampling error is 27.2% at the 95% confidence level

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Basal Area Statistical Analysis

03-May-2013 06:07:27AM

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Plots Cnt	Plots Mea	Plots Tot	Area ha	Basal Area m2/ha	Proportional Basal Area	Trees Cnt	Trees Mea	Trees Tot	Standard Deviation	Coeff. of Variation	Sampling Error 1 SE%	Sampling Error 2 SE%
1 :Fd (HwMbCwDr)	0	14	14	15.6	40.5	0.97	0	59	59	16.9416	41.8	11.2	24.1
2 :Outside R/W	0	2	2	0.5	40.1	0.03	0	11	11	22.8398	56.9	40.3	511.6
TOTAL	0	16	16	16.1	40.5		0	70	70		43.6	10.9	23.4

Number of live & dead potential trees sampled is 70
Number of dead useless trees sampled is 0
Number of live useless trees sampled is 0

The weighted sampling error is 23.4% at the 95% confidence level

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Percent Reductions Applied

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Criteria					DBH Class																													
Spcs	Type	TU Class	Block	Damage	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	175	200	225	250	275
All	0	B			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Map Area Statement Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Card A Cruise Identity

Licence #	: TBA	Cutting Permit #	: 000
Number of Blocks	: 1	Forest Region	: Coastal
Forest District	: South Island	Type	: PSYU
Unit No	: Quadra	Tenure	: T.F.L. Cutting Permit (COAST)
Quota	: Prop./Mngd.PSYU,TFL,or SSA	Sale Type	: None
Elevation	: 0	Co-ordinates Zone	: Unknown
East	: 0	North	: 0
Total Merch Area	: 16.10	Report Type	: *** FOR APPRAISAL PURPOSES ***
Locality	: Sproat Lake		

Card B Compilation Standard

Damage	: Damage	Selective	: Compile All Trees
Double Sampling	: Measure Plots Only	Special Compilation	: No Special Compilation
Species Compilation	: Exceptions Not Used	Type of Compilation	: Coastal

Compilation Standard	Mature	Immature
DBH Limit	17.50	12.00
Stump Height	30	30
Top Diameter	15.00	10.00

Card C Type Description

Type	Description	A	Silvicultural Treatment Units B
1	Fd (HwMbCwDr)	14.4	1.2
2	Outside R/W	0.5	

Card D Block Description

Block	Description	Maturity	Type	A	Silvicultural Treatment Units B
001	B12	I	1	14.4	1.2
			2	0.5	

Card F Harvesting Description

Harvest Method	Harvest Description	Type	A	Silvicultural Treatment Units B
SC	Ground Systems - Clearcut	1	14.4	1.2
		2	0.5	

Card G Treatment Unit Description

Treatment Unit	Description
A	A 100% Cut
B	B 50% Cut

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5763	5189	4747	213	229	103	471
Net Merchantable	m3	5497	4979	4557	202	220	97	421
Net Merch - All	m3/ha	341.450	309.272	283.065	12.573	13.635	6.007	26.170
Net Merch - Live	m3/ha	329.979	297.802	277.851	12.573	7.378	6.007	26.170
Net Merch - DP	m3/ha	11.471	11.471	5.214		6.257		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	354.644	321.238	294.053	13.042	14.143	6.231	27.174
Net Merch - Live	m3/ha	342.745	309.339	288.644	13.042	7.653	6.231	27.174
Net Merch - DP	m3/ha	11.899	11.899	5.409		6.490		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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All Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	223	201	183	9	9	4	18
Net Merchantable	m3	213	193	176	8	9	4	16
Net Merch - All	m3/ha	177.619	160.696	146.631	6.747	7.317	3.224	13.699
Net Merch - Live	m3/ha	171.463	154.540	143.833	6.747	3.960	3.224	13.699
Net Merch - DP	m3/ha	6.156	6.156	2.798		3.358		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5763	5189	4747	213	229	103	471
Net Merchantable	m3	5497	4979	4557	202	220	97	421
Net Merch - All	m3/ha	341.450	309.272	283.065	12.573	13.635	6.007	26.170
Net Merch - Live	m3/ha	329.979	297.802	277.851	12.573	7.378	6.007	26.170
Net Merch - DP	m3/ha	11.471	11.471	5.214		6.257		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							
% Average Slope		28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	354.644	321.238	294.053	13.042	14.143	6.231	27.174
Net Merch - Live	m3/ha	342.745	309.339	288.644	13.042	7.653	6.231	27.174
Net Merch - DP	m3/ha	11.899	11.899	5.409		6.490		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Harvest Method Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method : SC - Ground Systems - Clearcut[B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	223	201	183	9	9	4	18
Net Merchantable	m3	213	193	176	8	9	4	16
Net Merch - All	m3/ha	177.619	160.696	146.631	6.747	7.317	3.224	13.699
Net Merch - Live	m3/ha	171.463	154.540	143.833	6.747	3.960	3.224	13.699
Net Merch - DP	m3/ha	6.156	6.156	2.798		3.358		
Decay	%	0					1	5
Waste(billing)	%	0						1
Total Cull (DWB)	%	5	4	4	5	4	6	11
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Useless Dead/Living	%							
Net Second Growth	%		100.0	100.0	100.0	100.0		
All Burn Volume	%							
Heavy Fire Volume	%							
Blowdown Volume	%							
Insect Volume	%							

Algorithm Grades %

#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [All Treatment Units : 16.1]
Gross Area: [Grand Total : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5763	5189	4747	213	229	103	471
Net Merchantable	m3	5497	4979	4557	202	220	97	421
Net Merch - All	m3/ha	341	309	283	13	14	6	26
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		596.8	526.5	464.9	45.5	16.1	12.1	58.2
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.6
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.97
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		620.0	546.8	482.9	47.2	16.7	12.5	60.6
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.5
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.96
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	223	201	183	9	9	4	18
Net Merchantable	m3	213	193	176	8	9	4	16
Net Merch - All	m3/ha	178	161	147	7	7	3	14
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		308.8	274.2	241.1	24.4	8.6	6.5	28.1
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5763	5189	4747	213	229	103	471
Net Merchantable	m3	5497	4979	4557	202	220	97	421
Net Merch - All	m3/ha	341	309	283	13	14	6	26
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		596.8	526.5	464.9	45.5	16.1	12.1	58.2
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.6
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.97
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5540	4988	4564	205	220	99	453
Net Merchantable	m3	5284	4786	4381	194	211	93	405
Net Merch - All	m3/ha	355	321	294	13	14	6	27
Distribution	%	100	91	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		620.0	546.8	482.9	47.2	16.7	12.5	60.6
Avg DBH (Live & DP)	cm	29.4	29.7	30.1	23.6	32.5	26.5	27.5
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.50
Net Merch Vol/Tree	m3	0.57	0.59	0.61	0.28	0.85	0.50	0.45
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.1
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.1
Avg 10.0 m Log Net	m3	0.30	0.31	0.31	0.25	0.38	0.26	0.24
Avg 10.0 m Log Gross	m3	0.31	0.31	0.31	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.96	2.03	1.17	2.30	2.00	1.96
Net Immature	%	90.6	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	62	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	9					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	223	201	183	9	9	4	18
Net Merchantable	m3	213	193	176	8	9	4	16
Net Merch - All	m3/ha	178	161	147	7	7	3	14
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		308.8	274.2	241.1	24.4	8.6	6.5	28.1
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Average Slope	%	28						
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	50.8	48.6	49.6	234.3	272.8	400.0	217.0
Two Standard Error	%	27.2	26.0	26.6	125.7	146.3	214.5	116.4
Number and Type of Plots		MP = 14	F = 2					
Number of Potential Trees		70						
Plots/Ha		1.0						
Cruised Trees/Plot		4.4						

Slope % Statistics

Min= 13, Max= 47, CV=36.0, Std Error of Mean=2.4, 2SE%=18.9

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5586	5024	4582	213	229	103	460
Net Merchantable	m3	5329	4821	4399	202	220	97	411
Net Merch - All	m3/ha	342	309	282	13	14	6	26
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		593.9	527.3	463.7	47.0	16.6	12.5	54.1
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	5363	4823	4399	205	220	99	441
Net Merchantable	m3	5115	4628	4223	194	211	93	395
Net Merch - All	m3/ha	355	321	293	13	15	6	27
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		617.6	548.4	482.3	48.9	17.3	13.0	56.2
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	223	201	183	9	9	4	18
Net Merchantable	m3	213	193	176	8	9	4	16
Net Merch - All	m3/ha	178	161	147	7	7	3	14
Distribution	%	100	90	83	4	4	2	8
Decay	%	0					1	5
Waste	%	0						0
Waste(billing)	%	0						1
Breakage	%	4	4	4	5	4	5	5
Total Cull (DWB)	%	5	4	4	5	4	6	11
Stems/Ha (Live & DP)		308.8	274.2	241.1	24.4	8.6	6.5	28.1
Avg DBH (Live & DP)	cm	29.5	29.6	30.1	23.6	32.5	26.5	28.4
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.60	0.61	0.63	0.29	0.88	0.53	0.54
Net Merch Vol/Tree	m3	0.58	0.59	0.61	0.28	0.85	0.50	0.49
Avg Weight Total Ht	m	27.8	28.2	28.4	24.0	27.6	23.0	25.4
Avg Weight Merch Ht	m	22.6	23.1	23.3	20.2	21.7	16.9	18.3
Avg 10.0 m Log Net	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.25
Avg 10.0 m Log Gross	m3	0.31	0.31	0.32	0.25	0.38	0.26	0.26
Avg # of 10.0 m Logs/Tree		1.96	1.94	2.01	1.17	2.30	2.00	2.08
Net Immature	%	90.5	100.0	100.0	100.0	100.0		
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#2 Sawlog	H	4	5	4	30			
#4 Sawlog	J	61	67	70	31	52		
#5 Utility	U	22	24	25	24			
#6 Utility	X	3	4	1	15	48		
#7 Chipper	Y	10					100	100
Statistical Summary								
Coeff. of Variation	%	48.7	46.7	47.8	219.2	255.2	374.2	207.9
Two Standard Error	%	28.1	26.9	27.6	126.5	147.3	216.0	120.0
Number and Type of Plots		MP = 14						
Number of Potential Trees		59						
Plots/Ha		0.9						
Cruised Trees/Plot		4.2						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Summary

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Net Area: Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

		Total	Conifer	F	C	H	D	MB
Utilization Limits								
Min DBH cm (I)				12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)				30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)				10.0	10.0	10.0	10.0	10.0
Log Len m				10.0	10.0	10.0	10.0	10.0
Volume and Size Data								
Gross Merchantable	m3	177	165	165				12
Net Merchantable	m3	169	158	158				10
Net Merch - All	m3/ha	338	317	317				21
Distribution	%	100	94	94				6
Decay	%	0						6
Waste	%							
Waste(billing)	%							
Breakage	%	4	4	4				5
Total Cull (DWB)	%	4	4	4				11
Stems/Ha (Live & DP)		687.5	500.0	500.0				187.5
Avg DBH (Live & DP)	cm	27.3	30.0	30.0				18.0
Snags/Ha								
Avg Snag DBH	cm							
Gross Merch Vol/Tree	m3	0.51	0.66	0.66				0.12
Net Merch Vol/Tree	m3	0.49	0.63	0.63				0.11
Avg Weight Total Ht	m	27.5	28.5	28.5				16.0
Avg Weight Merch Ht	m	22.0	22.9	22.9				8.5
Avg 10.0 m Log Net	m3	0.24	0.26	0.26				0.12
Avg 10.0 m Log Gross	m3	0.25	0.26	0.26				0.12
Avg # of 10.0 m Logs/Tree		2.09	2.50	2.50				1.00
Net Immature	%	93.9	100.0	100.0				
Net 2nd Growth	%		100.0					
Algorithm Grades %								
#4 Sawlog	J	67	71	71				
#5 Utility	U	22	24	24				
#6 Utility	X	5	5	5				
#7 Chipper	Y	6						100
Statistical Summary								
Coeff. of Variation	%	60.8	55.5	55.5				141.4
Two Standard Error	%	546.4	499.0	499.0				1270.6
Number and Type of Plots		F =	2					
Number of Potential Trees		11						
Plots/Ha		4.0						
Cruised Trees/Plot		5.5						

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	60.7	39.8			1.9	102.4			
20	94.8				22.2	117.0			
25	98.8			12.1	12.2	123.2	11.3		
30	48.0				17.9	65.8			
35	76.7					76.7			
40	48.9		4.8			53.7			
45	17.0				4.0	20.9	4.1		
50	7.2	3.6				10.8			
55	2.7					2.7			
60	2.5					2.5			
65		2.1				2.1			
70	3.5					3.5			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	460.7	45.5	4.8	12.1	58.2	581.4			
Dead P	4.1		11.3				15.4		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.6	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	62.9	41.2			2.1	106.3			
20	98.6				23.2	121.8			
25	102.5			12.5	12.7	127.7	11.7		
30	49.8				18.5	68.3			
35	80.0					80.0			
40	50.7		5.0			55.7			
45	17.6				4.1	21.7	4.3		
50	7.4	3.8				11.2			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.6	47.2	5.0	12.5	60.6	604.0			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.5	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	32.6	21.3				53.9			
20	47.7				9.8	57.6			
25	53.0			6.5	6.6	66.1	6.1		
30	25.7				9.6	35.3			
35	36.0					36.0			
40	26.3		2.6			28.8			
45	9.1				2.1	11.2	2.2		
50	3.9	2.0				5.8			
55	1.5					1.5			
60	1.3					1.3			
65		1.1				1.1			
70	1.9					1.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	238.9	24.4	2.6	6.5	28.1	300.5			
Dead P	2.2		6.1				8.3		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.6	1.8			0.2	8.5			
20	18.4				5.3	23.7			
25	34.8			6.0	4.5	45.3	6.3		
30	25.7				10.9	36.6			
35	66.5					66.5			
40	59.7		7.4			67.1			
45	26.0				5.2	31.2	5.2		
50	14.5	5.6				20.0			
55	6.3					6.3			
60	6.6					6.6			
65		5.3				5.3			
70	12.9					12.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	277.9	12.6	7.4	6.0	26.2	330.0			
Dead P	5.2		6.3				11.5		
Total Volumes for 7 Levels									
17.5 +	271.3	10.8	7.4	6.0	26.0	321.5	11.5		
22.5 +	252.9	10.8	7.4	6.0	20.7	297.8	11.5		
27.5 +	218.1	10.8	7.4		16.2	252.5	5.2		
32.5 +	192.4	10.8	7.4		5.2	215.9	5.2		
37.5 +	125.9	10.8	7.4		5.2	149.4	5.2		
42.5 +	66.2	10.8			5.2	82.3	5.2		
47.5 +	40.3	10.8				51.1			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.7			
25	36.1			6.2	4.7	47.0	6.5		
30	26.6				11.3	38.0			
35	69.4					69.4			
40	61.9		7.7			69.6			
45	26.9				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.8					6.8			
65		5.4				5.4			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.0	7.7	6.2	27.2	342.7			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.2	7.7	6.2	27.0	333.9	11.9		
22.5 +	262.7	11.2	7.7	6.2	21.5	309.3	11.9		
27.5 +	226.6	11.2	7.7		16.8	262.3	5.4		
32.5 +	200.0	11.2	7.7		5.4	224.3	5.4		
37.5 +	130.6	11.2	7.7		5.4	155.0	5.4		
42.5 +	68.7	11.2			5.4	85.4	5.4		
47.5 +	41.8	11.2				53.0			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	3.5	0.9				4.5			
20	9.2				2.6	11.8			
25	18.7			3.2	2.4	24.3	3.4		
30	13.8				5.9	19.6			
35	31.1					31.1			
40	32.0		4.0			36.0			
45	13.9				2.8	16.7	2.8		
50	7.8	3.0				10.7			
55	3.4					3.4			
60	3.5					3.5			
65		2.8				2.8			
70	6.9					6.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	143.8	6.7	4.0	3.2	13.7	171.5			
Dead P	2.8		3.4				6.2		
Total Volumes for 7 Levels									
17.5 +	140.3	5.8	4.0	3.2	13.7	167.0	6.2		
22.5 +	131.1	5.8	4.0	3.2	11.1	155.2	6.2		
27.5 +	112.4	5.8	4.0		8.7	130.9	2.8		
32.5 +	98.7	5.8	4.0		2.8	111.2	2.8		
37.5 +	67.6	5.8	4.0		2.8	80.2	2.8		
42.5 +	35.5	5.8			2.8	44.2	2.8		
47.5 +	21.6	5.8				27.4			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.3	0.7			0.0	2.0			
20	2.8				0.8	3.6			
25	4.7			0.7	0.7	6.0	0.7		
30	3.3				1.3	4.7			
35	7.6					7.6			
40	6.0		0.7			6.7			
45	2.7				0.7	3.3	0.7		
50	1.3	0.7				2.0			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.3					1.3			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	32.4	2.0	0.7	0.7	3.5	39.2			
Dead P	0.7		0.7				1.3		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	32.4	2.0	0.7	0.7	3.5	39.2	1.3		
17.5 +	31.0	1.3	0.7	0.7	3.4	37.1	1.3		
22.5 +	28.2	1.3	0.7	0.7	2.7	33.5	1.3		
27.5 +	23.5	1.3	0.7		2.0	27.5	0.7		
32.5 +	20.2	1.3	0.7		0.7	22.9	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.9					7.9			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.3	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.5	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Cutting Permit Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

[B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	0.7	0.4				1.1			
20	1.4				0.4	1.8			
25	2.5			0.4	0.4	3.2	0.4		
30	1.8				0.7	2.5			
35	3.6					3.6			
40	3.2		0.4			3.6			
45	1.4				0.4	1.8	0.4		
50	0.7	0.4				1.1			
55	0.4					0.4			
60	0.4					0.4			
65		0.4				0.4			
70	0.7					0.7			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	16.8	1.1	0.4	0.4	1.8	20.4			
Dead P	0.4		0.4				0.7		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	16.8	1.1	0.4	0.4	1.8	20.4	0.7		
17.5 +	16.1	0.7	0.4	0.4	1.8	19.3	0.7		
22.5 +	14.6	0.7	0.4	0.4	1.4	17.5	0.7		
27.5 +	12.1	0.7	0.4		1.1	14.3	0.4		
32.5 +	10.4	0.7	0.4		0.4	11.8	0.4		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	60.7	39.8			1.9	102.4			
20	94.8				22.2	117.0			
25	98.8			12.1	12.3	123.2	11.3		
30	48.0				17.9	65.8			
35	76.7					76.7			
40	48.9		4.8			53.7			
45	17.0				4.0	20.9	4.1		
50	7.2	3.6				10.8			
55	2.7					2.7			
60	2.5					2.5			
65		2.1				2.1			
70	3.5					3.5			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	460.7	45.5	4.8	12.1	58.2	581.4			
Dead P	4.1		11.3				15.4		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.6	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	62.9	41.2			2.1	106.3			
20	98.6				23.2	121.8			
25	102.5			12.5	12.7	127.7	11.7		
30	49.8				18.5	68.3			
35	80.0					80.0			
40	50.7		5.0			55.7			
45	17.6				4.1	21.7	4.3		
50	7.4	3.8				11.2			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	478.6	47.2	5.0	12.5	60.6	604.0			
Dead P	4.3		11.7				16.0		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	27.5	29.3	33.2		
17.5 +	31.4	54.1	42.0	26.5	27.9	31.4	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.1	54.1	42.0		34.1	38.3	45.3		
32.5 +	40.3	54.1	42.0		46.3	41.0	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	32.6	21.3				53.9			
20	47.7				9.8	57.6			
25	53.0			6.5	6.6	66.1	6.1		
30	25.7				9.6	35.3			
35	36.0					36.0			
40	26.3		2.6			28.8			
45	9.1				2.1	11.2	2.2		
50	3.9	2.0				5.8			
55	1.5					1.5			
60	1.3					1.3			
65		1.1				1.1			
70	1.9					1.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	238.9	24.4	2.6	6.5	28.1	300.5			
Dead P	2.2		6.1				8.3		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.6	1.8			0.2	8.5			
20	18.4				5.3	23.7			
25	34.8			6.0	4.5	45.3	6.3		
30	25.7				10.9	36.6			
35	66.5					66.5			
40	59.7		7.4			67.1			
45	26.0				5.2	31.2	5.2		
50	14.5	5.6				20.0			
55	6.3					6.3			
60	6.6					6.6			
65		5.3				5.3			
70	12.9					12.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	277.9	12.6	7.4	6.0	26.2	330.0			
Dead P	5.2		6.3				11.5		
Total Volumes for 7 Levels									
17.5 +	271.3	10.8	7.4	6.0	26.0	321.5	11.5		
22.5 +	252.9	10.8	7.4	6.0	20.7	297.8	11.5		
27.5 +	218.1	10.8	7.4		16.2	252.5	5.2		
32.5 +	192.4	10.8	7.4		5.2	215.9	5.2		
37.5 +	125.9	10.8	7.4		5.2	149.4	5.2		
42.5 +	66.2	10.8			5.2	82.3	5.2		
47.5 +	40.3	10.8				51.1			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8			0.2	8.8			
20	19.1				5.5	24.7			
25	36.1			6.2	4.7	47.0	6.5		
30	26.6				11.3	38.0			
35	69.4					69.4			
40	61.9		7.7			69.6			
45	26.9				5.4	32.4	5.4		
50	15.0	5.8				20.8			
55	6.6					6.6			
60	6.8					6.8			
65		5.4				5.4			
70	13.4					13.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	288.6	13.0	7.7	6.2	27.2	342.7			
Dead P	5.4		6.5				11.9		
Total Volumes for 7 Levels									
17.5 +	281.8	11.2	7.7	6.2	27.0	333.9	11.9		
22.5 +	262.7	11.2	7.7	6.2	21.5	309.3	11.9		
27.5 +	226.6	11.2	7.7		16.8	262.3	5.4		
32.5 +	200.0	11.2	7.7		5.4	224.3	5.4		
37.5 +	130.6	11.2	7.7		5.4	155.0	5.4		
42.5 +	68.7	11.2			5.4	85.4	5.4		
47.5 +	41.8	11.2				53.0			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	3.5	0.9				4.5			
20	9.2				2.6	11.8			
25	18.7			3.2	2.4	24.3	3.4		
30	13.8				5.9	19.6			
35	31.1					31.1			
40	32.0		4.0			36.0			
45	13.9				2.8	16.7	2.8		
50	7.8	3.0				10.7			
55	3.4					3.4			
60	3.5					3.5			
65		2.8				2.8			
70	6.9					6.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	143.8	6.7	4.0	3.2	13.7	171.5			
Dead P	2.8		3.4				6.2		
Total Volumes for 7 Levels									
17.5 +	140.3	5.8	4.0	3.2	13.7	167.0	6.2		
22.5 +	131.1	5.8	4.0	3.2	11.1	155.2	6.2		
27.5 +	112.4	5.8	4.0		8.7	130.9	2.8		
32.5 +	98.7	5.8	4.0		2.8	111.2	2.8		
37.5 +	67.6	5.8	4.0		2.8	80.2	2.8		
42.5 +	35.5	5.8			2.8	44.2	2.8		
47.5 +	21.6	5.8				27.4			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [All Treatment Units : 16.1]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.3	0.7			0.0	2.0			
20	2.8				0.8	3.6			
25	4.7			0.7	0.7	6.0	0.7		
30	3.3				1.3	4.7			
35	7.6					7.6			
40	6.0		0.7			6.7			
45	2.7				0.7	3.3	0.7		
50	1.3	0.7				2.0			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.3					1.3			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	32.4	2.0	0.7	0.7	3.5	39.2			
Dead P	0.7		0.7				1.3		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	32.4	2.0	0.7	0.7	3.5	39.2	1.3		
17.5 +	31.0	1.3	0.7	0.7	3.4	37.1	1.3		
22.5 +	28.2	1.3	0.7	0.7	2.7	33.5	1.3		
27.5 +	23.5	1.3	0.7		2.0	27.5	0.7		
32.5 +	20.2	1.3	0.7		0.7	22.9	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [A 100% Cut : 14.9]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7			0.0	2.1			
20	3.0				0.8	3.8			
25	4.8			0.7	0.7	6.2	0.7		
30	3.5				1.4	4.8			
35	7.9					7.9			
40	6.2		0.7			6.9			
45	2.8				0.7	3.5	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.3	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.8	34.8	1.4		
27.5 +	24.5	1.4	0.7		2.1	28.6	0.7		
32.5 +	21.0	1.4	0.7		0.7	23.8	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Block Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block : (I) - 001:B12, Plots in Block: 16, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	0.7	0.4				1.1			
20	1.4				0.4	1.8			
25	2.5			0.4	0.4	3.2	0.4		
30	1.8				0.7	2.5			
35	3.6					3.6			
40	3.2		0.4			3.6			
45	1.4				0.4	1.8	0.4		
50	0.7	0.4				1.1			
55	0.4					0.4			
60	0.4					0.4			
65		0.4				0.4			
70	0.7					0.7			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	16.8	1.1	0.4	0.4	1.8	20.4			
Dead P	0.4		0.4				0.7		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	16.8	1.1	0.4	0.4	1.8	20.4	0.7		
17.5 +	16.1	0.7	0.4	0.4	1.8	19.3	0.7		
22.5 +	14.6	0.7	0.4	0.4	1.4	17.5	0.7		
27.5 +	12.1	0.7	0.4		1.1	14.3	0.4		
32.5 +	10.4	0.7	0.4		0.4	11.8	0.4		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	62.6	41.0				103.6			
20	91.8				18.9	110.7			
25	102.0			12.5	12.6	127.1	11.6		
30	49.5				18.4	68.0			
35	69.1					69.1			
40	50.5		5.0			55.4			
45	17.5				4.1	21.6	4.3		
50	7.4	3.8				11.2			
55	2.8					2.8			
60	2.6					2.6			
65		2.2				2.2			
70	3.6					3.6			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	459.5	47.0	5.0	12.5	54.1	578.0			
Dead P	4.3		11.6				15.9		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	65.1	42.7				107.8			
20	95.5				19.7	115.1			
25	106.1			13.0	13.1	132.2	12.1		
30	51.5				19.2	70.7			
35	71.9					71.9			
40	52.5		5.2			57.7			
45	18.2				4.2	22.4	4.4		
50	7.7	3.9				11.6			
55	2.9					2.9			
60	2.7					2.7			
65		2.3				2.3			
70	3.8					3.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	477.9	48.9	5.2	13.0	56.2	601.1			
Dead P	4.4		12.1				16.5		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	32.6	21.3				53.9			
20	47.7				9.8	57.6			
25	53.0			6.5	6.6	66.1	6.1		
30	25.7				9.6	35.3			
35	36.0					36.0			
40	26.3		2.6			28.8			
45	9.1				2.1	11.2	2.2		
50	3.9	2.0				5.8			
55	1.5					1.5			
60	1.3					1.3			
65		1.1				1.1			
70	1.9					1.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	238.9	24.4	2.6	6.5	28.1	300.5			
Dead P	2.2		6.1				8.3		
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	29.9	23.6	42.0	26.5	28.4	29.4	33.2		
17.5 +	31.5	54.1	42.0	26.5	28.4	31.6	33.2		
22.5 +	34.3	54.1	42.0	26.5	31.5	34.3	33.2		
27.5 +	38.3	54.1	42.0		34.1	38.5	45.3		
32.5 +	40.6	54.1	42.0		46.3	41.4	45.3		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stand Table (stems/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					62.5	62.5			
20	187.5				125.0	312.5			
25									
30									
35	312.5					312.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	500.0				187.5	687.5			
Dead P									
Dead U									
Live U									
			Average DBH(cm) at 5 Levels						
12.5 +	30.0				18.0	27.3			
17.5 +	30.0				18.9	28.1			
22.5 +	34.6					34.6			
27.5 +	34.6					34.6			
32.5 +	34.6					34.6			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	6.8	1.8				8.6			
20	17.7				5.0	22.7			
25	35.9			6.2	4.7	46.8	6.5		
30	26.5				11.3	37.8			
35	59.7					59.7			
40	61.6		7.6			69.2			
45	26.8				5.4	32.2	5.4		
50	14.9	5.7				20.7			
55	6.6					6.6			
60	6.8					6.8			
65		5.4				5.4			
70	13.3					13.3			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	276.6	13.0	7.6	6.2	26.3	329.7			
Dead P	5.4		6.5				11.8		
Total Volumes for 7 Levels									
17.5 +	269.8	11.2	7.6	6.2	26.3	321.2	11.8		
22.5 +	252.1	11.2	7.6	6.2	21.3	298.5	11.8		
27.5 +	216.2	11.2	7.6		16.7	251.7	5.4		
32.5 +	189.7	11.2	7.6		5.4	213.9	5.4		
37.5 +	130.0	11.2	7.6		5.4	154.2	5.4		
42.5 +	68.4	11.2			5.4	84.9	5.4		
47.5 +	41.6	11.2				52.7			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	7.0	1.9				8.9			
20	18.4				5.2	23.6			
25	37.4			6.4	4.9	48.7	6.7		
30	27.5				11.7	39.3			
35	62.1					62.1			
40	64.1		7.9			72.0			
45	27.9				5.6	33.5	5.6		
50	15.5	6.0				21.5			
55	6.8					6.8			
60	7.1					7.1			
65		5.6				5.6			
70	13.8					13.8			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	287.7	13.5	7.9	6.4	27.4	342.9			
Dead P	5.6		6.7				12.3		
Total Volumes for 7 Levels									
17.5 +	280.6	11.6	7.9	6.4	27.4	334.0	12.3		
22.5 +	262.2	11.6	7.9	6.4	22.2	310.4	12.3		
27.5 +	224.9	11.6	7.9		17.3	261.7	5.6		
32.5 +	197.3	11.6	7.9		5.6	222.5	5.6		
37.5 +	135.2	11.6	7.9		5.6	160.3	5.6		
42.5 +	71.1	11.6			5.6	88.3	5.6		
47.5 +	43.2	11.6				54.8			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	3.5	0.9				4.5			
20	9.2				2.6	11.8			
25	18.7			3.2	2.4	24.3	3.4		
30	13.8				5.9	19.6			
35	31.1					31.1			
40	32.0		4.0			36.0			
45	13.9				2.8	16.7	2.8		
50	7.8	3.0				10.7			
55	3.4					3.4			
60	3.5					3.5			
65		2.8				2.8			
70	6.9					6.9			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	143.8	6.7	4.0	3.2	13.7	171.5			
Dead P	2.8		3.4				6.2		
Total Volumes for 7 Levels									
17.5 +	140.3	5.8	4.0	3.2	13.7	167.0	6.2		
22.5 +	131.1	5.8	4.0	3.2	11.1	155.2	6.2		
27.5 +	112.4	5.8	4.0		8.7	130.9	2.8		
32.5 +	98.7	5.8	4.0		2.8	111.2	2.8		
37.5 +	67.6	5.8	4.0		2.8	80.2	2.8		
42.5 +	35.5	5.8			2.8	44.2	2.8		
47.5 +	21.6	5.8				27.4			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Stock Table (m3/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					5.3	5.3			
20	39.4				15.5	54.8			
25									
30									
35	277.5					277.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	316.8				20.7	337.5			
Dead P									
			Total Volumes for 7 Levels						
17.5 +	316.8				15.5	332.3			
22.5 +	277.5					277.5			
27.5 +	277.5					277.5			
32.5 +	277.5					277.5			
37.5 +									
42.5 +									
47.5 +									

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [All Treatment Units : 15.6]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.7				0.7	3.4			
25	4.8			0.7	0.7	6.2	0.7		
30	3.4				1.4	4.8			
35	6.9					6.9			
40	6.2		0.7			6.9			
45	2.7				0.7	3.4	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	32.3	2.1	0.7	0.7	3.4	39.1			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	32.3	2.1	0.7	0.7	3.4	39.1	1.4		
17.5 +	30.9	1.4	0.7	0.7	3.4	37.1	1.4		
22.5 +	28.2	1.4	0.7	0.7	2.7	33.7	1.4		
27.5 +	23.4	1.4	0.7		2.1	27.5	0.7		
32.5 +	19.9	1.4	0.7		0.7	22.7	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [A 100% Cut : 14.4]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	1.4	0.7				2.1			
20	2.9				0.7	3.6			
25	5.0			0.7	0.7	6.4	0.7		
30	3.6				1.4	5.0			
35	7.1					7.1			
40	6.4		0.7			7.1			
45	2.9				0.7	3.6	0.7		
50	1.4	0.7				2.1			
55	0.7					0.7			
60	0.7					0.7			
65		0.7				0.7			
70	1.4					1.4			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	33.6	2.1	0.7	0.7	3.6	40.7			
Dead P	0.7		0.7				1.4		
Dead U									
Live U									
			Average Basal Area (m2) at 5 Levels						
12.5 +	33.6	2.1	0.7	0.7	3.6	40.7	1.4		
17.5 +	32.1	1.4	0.7	0.7	3.6	38.6	1.4		
22.5 +	29.3	1.4	0.7	0.7	2.9	35.0	1.4		
27.5 +	24.3	1.4	0.7		2.1	28.6	0.7		
32.5 +	20.7	1.4	0.7		0.7	23.6	0.7		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 1 (I):Fd (HwMbCwDr), Plots in Type: 14, TUs: [B 50% Cut : 1.2]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15	0.7	0.4				1.1			
20	1.4				0.4	1.8			
25	2.5			0.4	0.4	3.2	0.4		
30	1.8				0.7	2.5			
35	3.6					3.6			
40	3.2		0.4			3.6			
45	1.4				0.4	1.8	0.4		
50	0.7	0.4				1.1			
55	0.4					0.4			
60	0.4					0.4			
65		0.4				0.4			
70	0.7					0.7			
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	16.8	1.1	0.4	0.4	1.8	20.4			
Dead P	0.4		0.4				0.7		
Dead U									
Live U									
Average Basal Area (m2) at 5 Levels									
12.5 +	16.8	1.1	0.4	0.4	1.8	20.4	0.7		
17.5 +	16.1	0.7	0.4	0.4	1.8	19.3	0.7		
22.5 +	14.6	0.7	0.4	0.4	1.4	17.5	0.7		
27.5 +	12.1	0.7	0.4		1.1	14.3	0.4		
32.5 +	10.4	0.7	0.4		0.4	11.8	0.4		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Type Basal Area Table (m2/ha)

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Type 2 (I):Outside R/W, Plots in Type: 2, TUs: [A 100% Cut : 0.5]

	F	C	H	D	MB	Total	DP	DU	LU
Utilization Limits									
Min DBH cm (I)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Stump Ht cm (I)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Top Dia cm (I)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Log Len m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
DBH Class									
5									
10									
15					1.2	1.2			
20	5.9				3.5	9.4			
25									
30									
35	29.5					29.5			
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
175									
200									
225									
250									
275									
Total	35.4				4.7	40.1			
Dead P									
Dead U									
Live U									

Average Basal Area (m2) at 5 Levels

12.5 +	35.4	4.7	40.1
17.5 +	35.4	3.5	38.9
22.5 +	29.5		29.5
27.5 +	29.5		29.5
32.5 +	29.5		29.5

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Block	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%	Strp	Plot	Type	Meth	Slp%
001: B12	1	14	1	SC	47	1	16	1	SC	27	1	12	1	SC	41	1	13	1	SC	35
	1	5	2	SC	14	1	18	2	SC	20	1	17	1	SC	19	1	19	1	SC	29
	1	4	1	SC	37	1	6	1	SC	27	1	2	1	SC	27	1	3	1	SC	22
	1	9	1	SC	16	1	10	1	SC	25	1	7	1	SC	13	1	8	1	SC	30

Summary: Total % Slope: 429 No. of Plots: 16 Weighted Average % Slope: 27.9 Arithmetic Average % Slope: 26.8

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Field Data & Slope Averages

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Harvest Method Summary

Harvest Method	Total % Slope	No of Plots	Avg % Weighted Slope	Avg % Arithmetic Slope
SC	429	16	27.9	
Total	429	16	27.9	26.8

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	M
1-Fd (HwMbCwDr)	001	1	2	10.000F	27	Doug-Fir	3	663.46	23.53	233.56	233.56	224.22	224.22		101		
						All Sp.	3	663.46	23.53	233.56	233.56	224.22	224.22	1304			
		1	3	10.000F	22	W.R. Cedar	1	574.34	14.60	26.65	26.65	25.31	25.31		201		
						All Sp.	1	574.34	14.60	26.65	26.65	25.31	25.31	0409			
		1	4	10.000F	37	Doug-Fir	3	183.17	44.78	267.40	267.40	256.71	256.71		101		
						All Sp.	3	183.17	44.78	267.40	267.40	256.71	256.71	0409			
		1	6	10.000F	27	W.R. Cedar	1	30.85	63.00	79.87	79.87	75.87	75.87		201		
						Doug-Fir	4	470.16	32.27	394.14	394.14	378.37	378.37		101		
						Hemlock	1	69.40	42.00	111.04	111.04	106.60	106.60		301		
						All Sp.	6	570.41	35.89	585.05	585.05	560.85	560.85	0409			
		1	7	10.000F	13	Doug-Fir	3	652.48	23.73	210.71	210.71	202.28	202.28		101		
						All Sp.	3	652.48	23.73	210.71	210.71	202.28	202.28	0409			
		1	8	10.000F	30	Doug-Fir	4	209.09	48.39	422.66	422.66	405.75	405.75		101		
						Maple	2	308.60	28.17	161.85	156.49	148.40	148.40				1310
						All Sp.	6	517.70	37.67	584.51	579.15	554.15	554.15	0409			
		1	9	10.000F	16	Alder	1	174.34	26.50	92.14	91.40	86.80	86.80				1210
						Doug-Fir	3	253.23	38.08	316.46	316.46	303.80	303.80		101		
						Maple	1	57.11	46.30	91.93	82.19	77.59	75.66				1310
						All Sp.	5	484.68	35.54	500.53	490.05	468.19	466.26	0409			
		1	10	10.000F	25	W.R. Cedar	1	52.70	48.20	84.71	84.71	80.47	80.47		201		
						Doug-Fir	2	285.65	29.28	173.71	173.71	166.77	166.77		101		
						Hemlock	1	163.07	27.40	94.17	94.17	90.40	90.40		301		
						Maple	2	391.43	25.01	158.75	152.70	144.77	144.77				1310
						All Sp.	6	892.84	28.68	511.34	505.29	482.41	482.41	0409			
		1	12	10.000F	41	Doug-Fir	5	601.62	31.90	462.61	462.61	444.10	444.10		101		
						All Sp.	5	601.62	31.90	462.61	462.61	444.10	444.10	1304			
		1	13	10.000F	35	Doug-Fir	4	306.16	39.99	399.05	399.05	383.09	383.09		101		
						All Sp.	4	306.16	39.99	399.05	399.05	383.09	383.09	1304			
		1	14	10.000F	47	Doug-Fir	7	955.70	29.95	522.71	522.71	501.80	501.80		101		
						All Sp.	7	955.70	29.95	522.71	522.71	501.80	501.80	1304			
		1	16	10.000F	27	Doug-Fir	2	162.91	38.77	176.06	176.06	169.01	169.01		101		
						All Sp.	2	162.91	38.77	176.06	176.06	169.01	169.01	1304			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Summary

Average Line Method
ALBERNI VALLEY COMUN.FOREST
Licence Number: TBA CP: 000
Project: CB B12

Grades: MOF Computerized
Computerized Decay
Computerized Waste
Computerized Breakage

FIZ: B
PSYU: Quadra
Region: 1 - Coastal
District: 4 - South Island

03-May-2013 06:07:27AM
Filename: k2d_cp005.ccp
Compiled by: F. Warren and Associates Ltd
Cruised by: CONTOUR FOREST CONSULTANTS IN
Version: 2012.00a IFS build 5799

Utilization Levels:	Minimum DBH	Top Diameter	Stump Height
Mature Blocks: (cm)	17.5	15.0	30
Immature Blocks:(cm)	12.0	10.0	30

Standard Log Length:(m) 10.00

Forest Type	Block	Strip	Plot #	Size	Slope %	Species	# of Stems	Stems / Ha	Avg Diam	Gross Merch	Less Decay	Less DB	Less DWB	Cruise Date	Loss YI	Ref No. OI	M
1-Fd (HwMbCwDr)	001	1	17	10.000F	19	Doug-Fir	5	1129.75	23.28	335.81	335.81	322.38	322.38		101		
						All Sp.	5	1129.75	23.28	335.81	335.81	322.38	322.38	1304			
		1	19	10.000F	29	Doug-Fir	3	619.03	24.36	197.36	197.36	189.47	189.47		101		
						All Sp.	3	619.03	24.36	197.36	197.36	189.47	189.47	1304			
2-Outside R/W	001	1	5	0.008F	14	Doug-Fir	4	500.00	34.51	459.66	459.66	441.27	441.27		101		
						Maple	3	375.00	17.96	46.75	43.77	41.43	41.43				1310
						All Sp.	7	875.00	28.61	506.41	503.43	482.71	482.71	0409			
		1	18	0.008F	20	Doug-Fir	4	500.00	24.70	200.41	200.41	192.39	192.39		101		
						All Sp.	4	500.00	24.70	200.41	200.41	192.39	192.39	1304			

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots	14	2
ha / Plot	1.11	0.25
Cutting Permit		
# of Plots	14	2
ha / Plot	1.11	0.25

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Measure Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots	14	2
ha / Plot	1.11	0.25
All Methods		
# of Plots	14	2
ha / Plot	1.11	0.25

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Blocks	Timber Type 1	2
BLOCK 001 (I)		
# of Plots		
ha / Plot		
Cutting Permit		
# of Plots		
ha / Plot		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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Plot Frequency Report

Average Line Method	Grades: MOF Computerized	FIZ: B	03-May-2013 06:07:27AM
ALBERNI VALLEY COMUN.FOREST	Computerized Decay	PSYU: Quadra	Filename: k2d_cp005.ccp
Licence Number: TBA CP: 000	Computerized Waste	Region: 1 - Coastal	Compiled by: F. Warren and Associates Ltd
Project: CB B12	Computerized Breakage	District: 4 - South Island	Cruised by: CONTOUR FOREST CONSULTANTS IN
			Version: 2012.00a IFS build 5799

Count Plots

Harvest Methods	Timber Type 1	2
METHOD SC		
# of Plots		
ha / Plot		
All Methods		
# of Plots		
ha / Plot		

FLAGS: Percent Reduction Applied, Normal Cruise, All Trees Compiled, Measure Plots Only, Damage,

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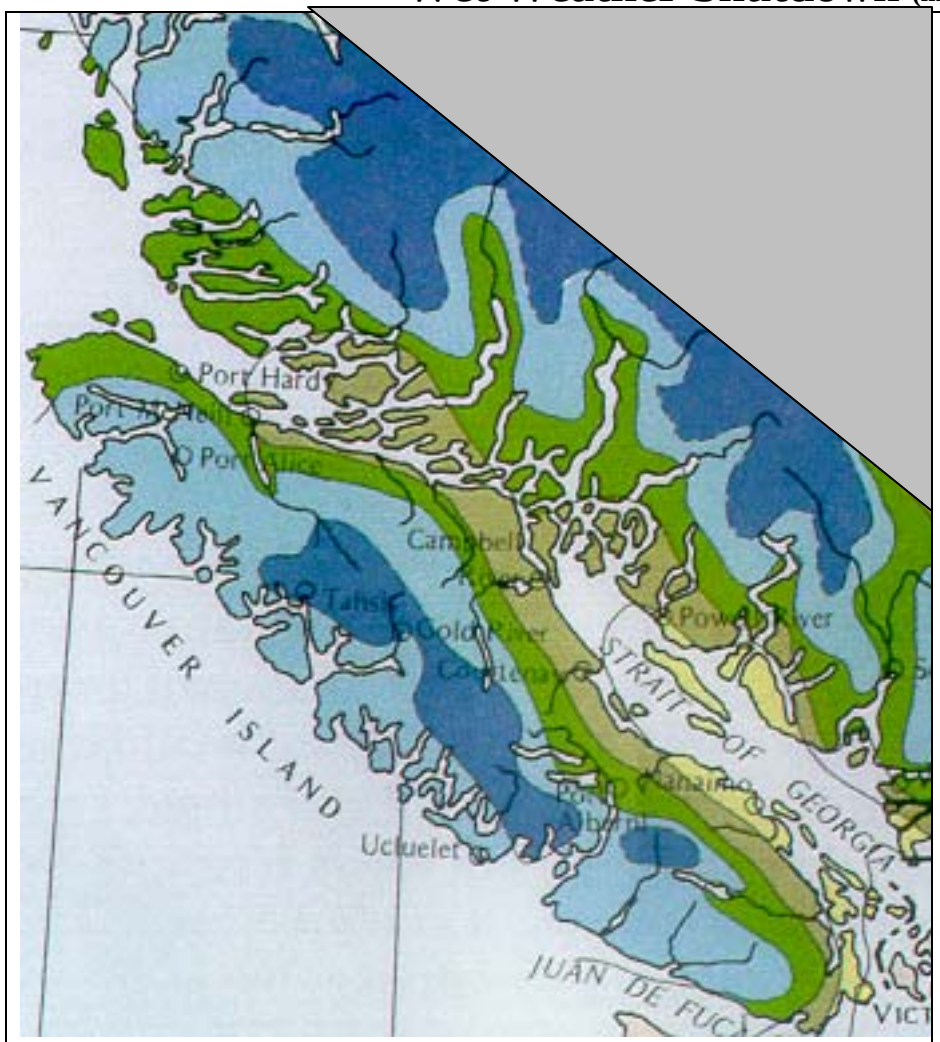
Appendix 5: Wet Weather Shutdown Guidelines

Wet Weather Shutdown (modified Nov 7, 2006)



Zone	Mean Annual Precip (mm)	Shutdown Threshold (mm/24 hours)
1	750	20
2	1500	40
3	2500	60
4	3000	75
5	3500	90

TABLE B Local Soil Type	Multiplier Factor
Very Erodible (e.g. lacustrine)	0.4
Erodible (e.g. organics, sands)	0.6
Least Erodible (e.g. colluvium, till)	0.8
Bedrock	1.0

TABLE C Slope Modifier	Multiplier Factor
0% - 57	1.0
57% - 70%	0.9
71% - 88%	0.8
89% +	0.7

Instructions:

1) Use base shutdown threshold from Table A
2) Multiply by Soil Type Modifier from Table B
3) Multiply result by Slope Modifier from Table C

Result is rainfall shutdown threshold in millimeters in a 24 hour period

Example

Zone	Table A: Mean Annual Precipitation (mm)	Shutdown Threshold (mm/24 hours)
1	750	20
2	1500	40
3	2500	60
4	3000	75
5	3500	90

TABLE B Local Soil Type	Multiplier Factor
Very Erodible (e.g. lacustrine)	0.4
Erodible (e.g. organics, sands)	0.6
Least Erodible (e.g. colluvium, till)	0.8
Bedrock	1.0

TABLE C Slope Modifier	Multiplier Factor
0 % - 57	1.0
57 % - 70 %	0.9
71 % - 88 %	0.8
89 % +	0.7

For Dark Blue Zone 5; 24 Hr Shutdown Criteria = 90 x 0.8 x 0.8 = 58 mm

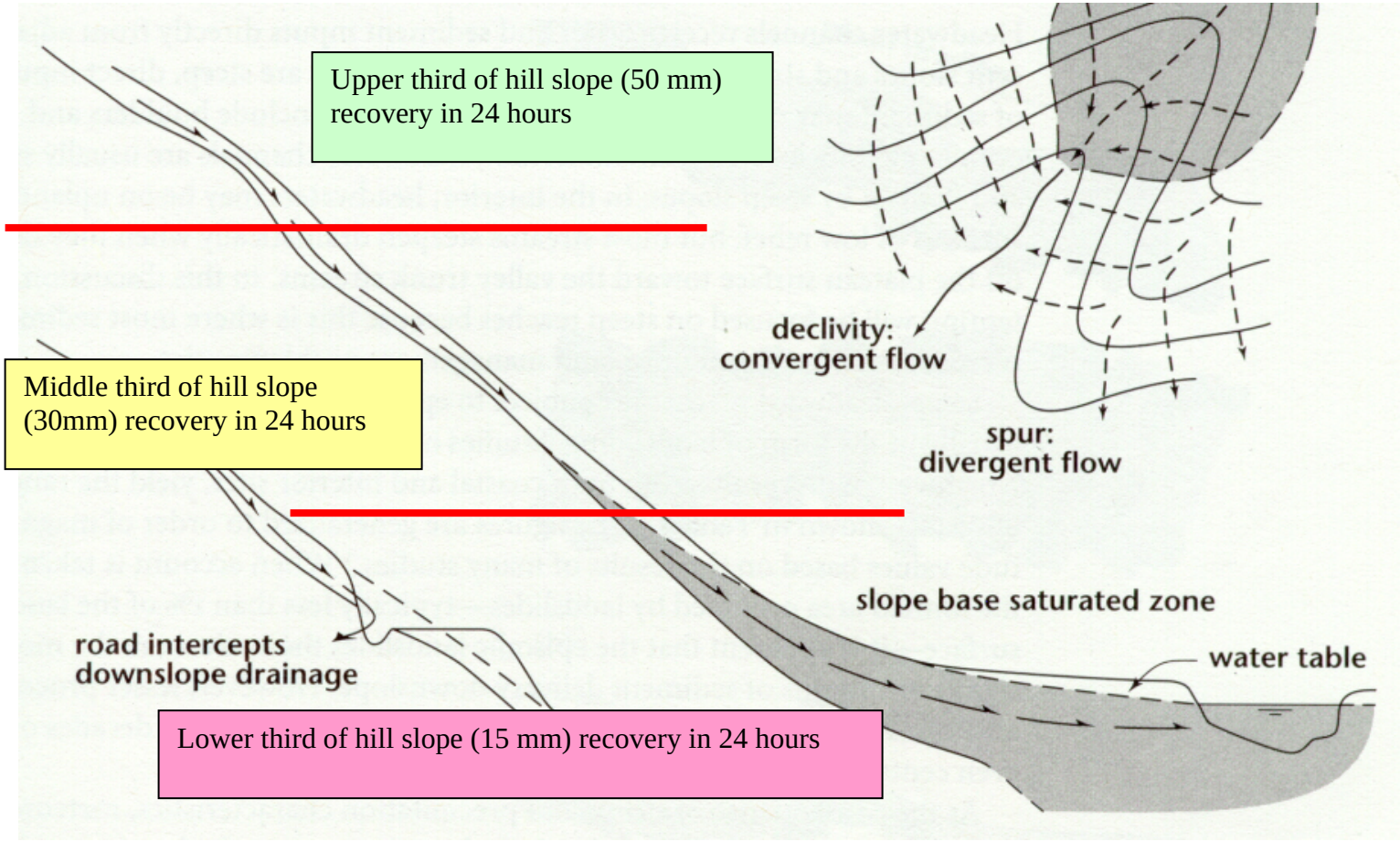
Return to Work Estimation Guide

Water balance returns to normal after a heavy rainfall period subject to a number of variables

- -slope position
- -slope gradient
- -soil type and depth (or proximity to bedrock)

Where a road is located above the worksite, interception by ditch lines may have the effect of increasing the recovery rate for lower slope positions

Using the following sketch as a guide, identify the slope position of the planned activity (upper, middle and lower thirds)
In an **average** situation precipitation input is reduced in a 24 hour period by the indicated values based on slope position



Appendix 6: Best Management Practices for a Community Watershed

(Practices Derived from Econ Forest Consulting Roads Report June 2011 and Sproat Lake CWAP Report 2008)

Best Management Practices for Community Watersheds

Refer also to Section 5.2.4 of the AVCF FSP.

Ditch Cleaning: where needed, ditches are to be cleaned when conditions are dry. Ditch spoil is not to be windrowed along the road shoulder. On moderate slopes, the ditch spoil could be thinly spread on the slope below the road, but not heaped or piled against trees. Where the road is on steep slopes, the ditch spoil should be end hauled to a suitable spoil site.

Culvert replacement: Where required culvert replacements are to be done during dry weather (except for emergency repairs or replacements). The inlet and outlet areas on new culverts, and the adjacent fill slopes, are to be armoured to prevent erosion or sloughing into the creek.

Rock Ballasting of road surface: For new road construction, where the road is close to a stream channel, the road surface is to be ballasted with clean rock. The road surface is also to be rock ballasted for 30 meters either side of stream culverts.

Road grading practices: grading is to be avoided during heavy rain.

Shutdown or harvest completion: In preparation for a shutdown for a period longer than 30 days or at a harvest completion, the following measures will be taken:

> No excavated or end hauled material will be left piled in such a way as to become unstable during the shutdown period. Spoil sites, piles and fills will be sloped uniformly to prevent instability.
>
> Ditches and culverts will be left clear and functional, with adequate inlet basins to minimize the potential for plugging.
>
> On sections of steep grades, cross ditches and back-up swales will be constructed where needed to minimize ditch erosion.
>
> If road construction has reached a drainage course but a drainage structure has not been installed prior to shutdown, the drainage course will be left open and unimpeded.
>
> Where exposed silty soils could erode and enter surface streams or ditches connected to streams, silt fences, hay bales or erosion blankets will be applied as needed for temporary protection.

Appendix 7: Blocks B11 and B12 Site Plans

CUTBLOCK AND ROAD SITE PLAN

CUTBLOCK IDENTIFICATION				
Licence: K2D/AVCF	Cutting Permit: 5	Block: B11	Timber Mark K2D 005	FDU: A (Sproat)
Silviculture System: SUA Retention SUB Commercial Thinning	Opening Number: 92F.025	Location: Sproat Lake	Lattitude: 49° 17' 31''	Longitude: 125°02' 26''
TAUP(ha): 22.8	NAR (ha): 18.0	NP NAT (ha): 0	NP UNN (ha /%): 1.63ha/7.13%	P.A.S. Limit (%): 7%

Road Name	Section	Length	Location
B11-S1	0+000 to 1+269 Reactivation	1269m	125°2'8.63''W // 49°17'12.16''N
B11-S1	1+269 to 1+362 New Construction	93m	125°2'25.77''W // 49°17'38.13''N
B11-S2	0+000 to 0+241 New Construction	241m	125°2'17.26''W // 49°17'28.72''N

SOIL DISTURBANCE				
SU	Compaction	Displacement	Surface Erosion	Soil Disturbance Limit (%)
A	Moderate	Very High	High	5
B	Moderate	Very High	High	5

COMMENTS

Use puncheon or rubber matting in sensitive areas and **stop work if the following soil disturbances cannot be avoided**:

>Wheel/Track Ruts, Compacted Areas, Gouges, Scalps<

Rehabilitate compacted areas and roadsides by de-compacting with hoe (preferably grapple attachment) while avoiding scalps larger than 1.5 x 1.5 m. Grass seed exposed mineral soil within 1 year of completion of harvest. Wide gouge and wide scalp are not countable soil disturbance categories in de-stumping areas.

Maximum Roadside Disturbance Limit: 25%

RESULTS & STRATEGIES	
RESULT OR STRATEGY	HOW THE STRATEGY OR RESULT APPLIES TO THE SITE
5.1.1a Order Establishing Sproat Lake Landscape Unit and Objective – Objective 1: Old Growth Management Areas (OGMAs)	• The proposed harvest area is within the Sproat Lake Landscape Unit. • OGMAs have been established for the Sproat Lake Landscape Unit on July 18, 2005. • No OGMAS beside or close to B11.
5.1.1b Order Establishing Sproat Lake Landscape Unit and Objective – Objective 2: Wildlife Tree Retention (WTR)	• The proposed harvest area is within the Sproat Lake Landscape Unit. • A 2.8 ha WTRA has been retained adjacent to the block, meeting minimum requirements of 12% set out in the approved landscape unit plan for areas within the CWH xm BEC subzone. This WTRA contains second growth Fd (Cw Hw) representative of the pre-harvest stand.

	• AVCF will ensure that the 5 year average of WTR will met the minimum requirements set out in the approved landscape unit plan for areas within the CWH xm BEC subzone by ensuring that each individual block meets this target. • AVCF will ensure that the WTR are distributed across the landscape by ensure that each WTR is directly adjacent to their corresponding cutblock, which is planned to be distributed across the license area. Permissible activities that may occur for this WTRA include: o Removal of danger trees, o WTPs with a high likelihood of windthrow may be pruned or topped to maintain the integrity of the WTP.
5.1.1b Order Establishing Sproat Lake Landscape Unit and Objective – Objective 3: Special Management Zone 17 (SMZ 17)	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2a Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1a: Sustain forest ecosystem structure and function in SMZs	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2b Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1b: Sustain forest ecosystem structure and function in SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2c Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1c: Sustain forest ecosystem structure and function in SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2d Vancouver Island Land Use Plan Higher Level Plan Order – Objective 2: Recovering damaged timber within SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.2.1 Soils (FPPR s.35-36)	• Soil disturbance limits comply with Section 35 of the FPPR. Limits are listed in SOIL DISTURBANCE section of the Site Plan. • Soil Disturbance limits may exceed 25% during the removal of infected stumps Section 35(4)(a) FPPR. • Permanent access structures comply with Section 36 of the FPPR. Permanent access

	structures for the development are below 7%. .
5.2.2 Wildlife – MAMU (FPPR s.7)	• The Notice specifies the amount, distribution and attributes of wildlife habitat required for Marbled Murrelet and consequently a result or strategy is required. The harvest area is a second growth Douglas fir stand; poor Murrelet habitat.
5.2.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas (FPPR s.47-52)	• For each riparian class of stream found in and adjacent to the harvest area, the minimum riparian management area (RMA) width, riparian reserve zone (RRZ) width and riparian management zone (RMZ) width, on each side of the stream, are as per the table in FPPR 47(4). • No wetlands or lakes exist within or surrounding the block, FPPRs 48,49 • Road B11-S1 station 0+449 to 0+540 is within the RMA of stream 1. The RMA infringement on B11-S1 cannot be avoided as the proposed road is running along an existing old grade. It would be impracticable to move the road. • All other RMA infringements are due to stream crossings on B11-S1 that cannot be avoided and or there is no other practical option for locating the road as per FPPR Section 50(1)(a), FPPR 50(1)(b), FPPR 51(1)(c).
5.2.4 Community Watersheds (FPPR s.8.2)	• The proposed harvest area is within the Sproat Lake Community Watershed. • CWAP recommendations have been followed and assessments completed to ensure low to moderate material adverse hydrological effects will occur as a result of forest practices.
5.2.5 Wildlife and Biodiversity – Landscape Level (FPPR s.64-65)	• The net area to be reforested is in accordance with the FPPR Sections 64 (less than 40ha) and 65 (it is not adjacent to an existing cutblock).
5.2.6 Wildlife and Biodiversity – Stand Level (FPPR s.66-67)	• Wildlife tree retention targets are in accordance with the results or strategy for the approved Sproat Lake Landscape Unit Plan Objective 2. (FSP s. 5.1.1b) • No signs of bear dens or raptor nests were observed during field work.
5.2.7 Cultural Heritage Resources (FPPR s.10)	• On March 4th 2013 Warren Lauder of the Hupacasath First Nations was emailed to begin the 30 day review process. On May 1, 2013 Steve Tatoosh from the Hupacasath First Nations gave approval to Block B11. It will be the responsibility of the licensee to ensure all First Nations parties involved are accommodated for and requirements are met. • If, during harvesting, any evidence of traditional use or cultural heritage values is found within or surrounding the area cease work and notify the AVCF Manager and the Ministry of Forests Aboriginal Liaison Officer.
5.3.1 Visual Quality Objectives (FPPR s.7 – GAR Order)	• A visual impact assessment was completed by Darren Hiller on April 12th 2013. The assessment shows that the VQO of partial retention is met.

CUTBLOCK AND ROAD SITE PLAN

STOCKING STANDARDS

SU	Standards ID	NAR (ha)	Biogeoclimatic Ecosystem Classification				Regeneration Method	Preferred Species	Acceptable Species
			Zone	Subzone	Variant	Site Series			
A	1028571	12.8	CWH	xm	2	$01_{90}03_{5}05_{5}$	Plant	Fd	Hw Cw Pw[22]
B	1028571	5.2	CWH	xm	2	$01_{90}03_{5}05_{5}$	TBD	Fd	Hw Cw Pw[22]

([22]) Risk of white pine blister rust.

A post-harvest survey is required following harvest completion to satisfy annual reporting requirements.

Openings greater than 0.1 ha created during the harvest operation are to be mapped and regenerated following harvest completion

SU	Regen. Date (yrs)	FG Date Late (yrs)	MITD (m)	TSS (sph)	MSSp (sph)	MSSp (sph)	Min. FG Ht. by Species		Crop Tree to Brush Ratio %)
							Species	Ht (m)	
A	3	11	2.0	900	500	400	Fd Hw Cw Pw	3.0 2.0 1.5 2.5	150

SU	Regen. Date (yrs)	FG Date Late (yrs)	MITD (m)	TSS (sph)	Tree Layer	Target (sph)	Minimum Preferred and Acceptable (sph)	Minimum Preferred (sph)
B	NA	NA	NA	900	1 Mat. 2 Pole. 3 Sap. 4 Reg.	325 500 700 900	250 300 400 500	250 200 300 400

CUTBLOCK AND ROAD SITE PLAN

CRITICAL FACTORS AND REGENERATION COMMENTS

Harvesting: Block boundaries are established with orange flagging, orange tags, and falling corners. Boundary trees may be harvested when they are adjacent to an existing road or block. All other boundary trees should not be felled or damaged.

Commercial Thinning: A commercial thinning has been prescribed for SUB, net area 5.2ha. The level of retention will be 359 st/ha or 225 m3/ha of merchantable timber, therefore removing half of the standing trees within SUB. The thinning will help improve the growth rate of the remaining stand by increasing growing space. It will also help to act as a visual screen and a windthrow buffer for Creek 3 and Bookhout Creek. A field survey to ensure these targets are met is required post thinning. No reforestation is required. A second pass involving the removal of the residual stand and reforestation is expected within 20-30 years.

Remove: 50% of all stems, 225 m3/ha or 359 st/ha. Trees to be targeted are the larger dominant trees, suppressed trees and trees with defect such as sweep, fork or crooks.

Retain: 50% all stems, 225 m3/ha or 359 st/ha. This equals an average distance between retained trees of 5.9m. Target co- dominate and intermediate trees with good form, vigor and sufficient live crown greater than or equal to 30%.

The prescription is to be implemented as dispersed removal/retention within SUB. The specific harvest method will be a ground based system. Harvesting details are to be determined in consultation with the logging contractor and the AVCF manager. All areas have gentle slopes and easy access from B11-S1.

Windthrow: A windthrow assessment was completed by Meridian Forest Services on March 18 2013. Block B11 has been assessed as having a moderate to low windthrow risk. The potential windthrow hazard along Bookhout Creek has been mitigated by prescribing a commercial thinning treatment. All other edges exhibit minimal risk. See windthrow plan for further details.

Terrain Stability: A final Terrain Stability Report was completed by Melissa Dinsdale of Madrone Inc., on March 1st 2013. Cut block B11 was assessed with a low to very low terrain hazard rating. A moderate hazard rating has been assigned for areas outside of the block, in particular near FC 15 and within Bookhout Creek. Two Karst sinkholes were noted near FC A and C. These karst areas have been mapped, flagged and cut out of the falling boundaries in order to preserve this sensitive area, as well as protect workers from injury.

Recreation: Road B11-S1 is being constructed on the current designated recreational trail. The primary use of this trail appears to be for motorized vehicles. Evidence of motorized vehicular use was also noticed along surrounding old road grades. Adequate signs are to be posted to inform the public user groups of active blasting, logging and hauling during operations.

Root Rot: Signs of root rot were noted during the survey. A stumping treatment is not recommended due to the shallow soils and steeper slopes of the infected root rot areas. Alternatively, it is recommended that Cw and Pw is planted within the root rot infested sites.

Coarse Woody Debris: Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end.

Wildlife Tree Retention Areas: WTRA totaling 2.8 ha have been designated for B11. This is equivalent to 12.3% of the total area to be harvested.

Invasive Plants: Broom occurs along sections of the highway and hauling roads on route to B11. Monitor and treat broom and other invasive species during early establishment. Grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest.

Natural Range Barriers: Natural range barriers do not apply to the proposed harvest area.

Regeneration: Plant promptly following harvesting to minimize the potential need for future brushing treatments. Focus Cw on water receiving sites, in areas where Mb brush competition is noted and in areas of root rot infection; as indicated on the map. All Cw is to be coned as deer browse has historically been an issue. Plant Pw in identified areas of root rot.

CUTBLOCK AND ROAD SITE PLAN

Recommended Planting Prescription:

SU	NAR (ha)	Species	Percent (%)	Stock Type	Stems/ha	Total Stems
A	12.8	Fd Cw Pw	70 20 10	415B or other 512A or other 415B or other	840 240 120	10752 3072 1536
B	5.2	-	-	-	-	-

A more detailed planting prescription is to be completed during the Post-Harvest Assessment.

SUB is the prescribed commercial thinning area.

RIPARIAN MANAGEMENT					
Riparian Class of Feature	S2 S4 S4	Designation on Map	1 (Bookhout) 2 3	Falling and/or Skidding or Yarding Across a Stream	No No No

Stream 1 (Bookhout) is an S2 non fish bearing creek. A large falls acts as a fish break 1000m down from the projected harvest unit. A minimum of 30m was left as a buffer for the creek. Some sections along the creek have sensitive terrain and scattered patched of old growth. These areas were cut out of the block during the layout phase.

Stream 2 is an S4 creek that runs through the southern half of the block. Stream 3 flows on the old road grade for 50m before spilling off the side into its' old draw. The old road was built on the creek bed in this section. Careful ditching and armoring will be required to properly maintain creek drainage. It is to be returned to its natural drainage pattern as soon as harvesting is complete. Two machine crossings have also been established for creek 2, to ensure that it is operationally feasible to prescribe a "fall away yard away" status.

Stream 3 is an S4 creek that runs into Bookhout creek. The majority of stream 3 has been cut out of the block to ensure that siltation is minimized and Bookhout creek is protected. This also adds as a visual screen to the north west portion of the block.

Retain cedar and non-merchantable stems within the RMZ where operationally practicable.

CUTBLOCK AND ROAD SITE PLAN

RPF SIGNATURE AND SEAL		
Prepared By:	Andrew Kenyon Name (Printed)	Andrew Kenyon 2013.05.08 14:06:29 -07'00'
Signing RPF:	Andrew Kenyon RPF Name (Printed)	
07/05/13 Date Signed (dd/mm/yy)	4739 RPF Number	RPF Signature and Seal

"I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work."

SITE DEGRADATION ESTIMATE

A: DESCRIPTION OF AREA

TENURE
AVCF

CP
05

BLOCK	Ha
B11	22.8

B: Natural Non-Productive

Type	Ha
CREEK	0.00
SWAMPS	0.00
SLIDES	0.00
ROCK OPENINGS	0.00
OTHER / RESERVES	0.00
	Total NNP 0.00

C: UNNATURAL NON-PRODUCTIVE (before Rehab.)

Type	START	END	AMOUNT	LENGTH (M)	SLOPE	WIDTH (M)	Ha	%
B11-S1	298	1362	1	1063	15	12	1.28	5.6
B11-S2	0	241	1	241	15	12	0.29	1.27
Trail	0	150	1	150	15	4	.06	0.26
							1.63	7.13

D: SUMMARY

TYPE	Ha	%
GROSS AREA	22.8	100
NATURAL NON-PRODUCTIVE AREA	0.0	0.00
UNNATURAL NON-PRODUCTIVE AREA	1.63	7.13
REHABILITATION AREA	0.0	0.00
NET AREA TO BE REFORESTED	18.0	78.9

E: COMMENTS:

PREPARED BY: A. Kenyon **DATE:** 24-April-13

CUTBLOCK AND ROAD SITE PLAN

CUTBLOCK IDENTIFICATION				
Licence: K2D/AVCF	Cutting Permit: 5	Block: B12	Timber Mark K2D 005	FDU: A (Sproat)
Silviculture System: SUA/B Retention SUC Commercial Thinning	Opening Number: 92F.025	Location: Sproat Lake	Lattitude: 49° 17' 31''	Longitude: 125°02' 26''
TAUP(ha): 17.9	NAR (ha): 15	NP NAT (ha): 0	NP UNN (ha /%): 0.61ha/3.4%	P.A.S. Limit (%): 7 %

Road Name	Section	Length	Location
B11-S1	1+362 to 1+724 New Construction	362 m	125°2'21.21''W // 49°17'38.18''N
B11-S2	0+244 to 0+614 New Construction	370 m	125°2'17.56''W // 49°17'27.88''N

SOIL DISTURBANCE				
SU	Compaction	Displacement	Surface Erosion	Soil Disturbance Limit (%)
A	Moderate	Moderate	Moderate	5
B	Moderate	Moderate	Moderate	5
C	Moderate	Moderate	Moderate	5

COMMENTS

Use puncheon or rubber matting in sensitive areas and **stop work if the following soil disturbances cannot be avoided**:

>Wheel/Track Ruts, Compacted Areas, Gouges, Scalps<

Rehabilitate compacted areas and roadsides by de-compacting with hoe (preferably grapple attachment) while avoiding scalps larger than 1.5 x 1.5 m. Grass seed exposed mineral soil within 1 year of completion of harvest. Wide gouge and wide scalp are not countable soil disturbance categories in de-stumping areas.

Maximum Roadside Disturbance Limit: 25%

RESULTS & STRATEGIES	
RESULT OR STRATEGY	HOW THE STRATEGY OR RESULT APPLIES TO THE SITE
5.1.1a Order Establishing Sproat Lake Landscape Unit and Objective – Objective 1: Old Growth Management Areas (OGMAs)	• The proposed harvest area is within the Sproat Lake Landscape Unit. • OGMAs have been established for the Sproat Lake Landscape Unit on July 18, 2005. • No OGMAS beside or close to B12.
5.1.1b Order Establishing Sproat Lake Landscape Unit and Objective – Objective 2: Wildlife Tree Retention (WTR)	• The proposed harvest area is within the Sproat Lake Landscape Unit. • A 2.2 ha WTRA has been retained adjacent to the block, meeting the minimum requirements of 12% set out in the approved landscape unit plan for areas within the CWH xm BEC subzone. This WTRA contains second growth Fd (Cw Hw) representative of the pre-harvest stand. • AVCF will ensure that the 5 year average of WTR will met the minimum requirements set out in

	the approved landscape unit plan for areas within the CWH xm BEC subzone by ensuring that each individual block meets this target. • AVCF will ensure that the WTR are distributed across the landscape by ensure that each WTR is directly adjacent to their corresponding cutblock, which is planned to be distributed across the license area. Permissible activities that may occur for this WTRA include: o Removal of danger trees, o WTPs with a high likelihood of windthrow may be pruned or topped to maintain the integrity of the WTP.
5.1.1b Order Establishing Sproat Lake Landscape Unit and Objective – Objective 3: Special Management Zone 17 (SMZ 17)	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2a Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1a: Sustain forest ecosystem structure and function in SMZs	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2b Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1b: Sustain forest ecosystem structure and function in SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2c Vancouver Island Land Use Plan Higher Level Plan Order – Objective 1c: Sustain forest ecosystem structure and function in SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.1.2d Vancouver Island Land Use Plan Higher Level Plan Order – Objective 2: Recovering damaged timber within SMZs.	• The proposed harvest area does not lie within a SMZ, results and strategies do not apply.
5.2.1 Soils (FPPR s.35-36)	• Soil disturbance limits comply with Section 35 of the FPPR. Limits are listed in SOIL DISTURBANCE section of the Site Plan. • Permanent access structures comply with Section 36 of the FPPR. Permanent access structures for the development are 3.4%. The area occupied by permanent access structures does not exceed 7%.
5.2.2 Wildlife – MAMU	• The Notice specifies the amount, distribution and attributes of wildlife habitat required for

(FPPR s.7)	Marbled Murrelet and consequently a result or strategy is required. The harvest area is a second growth Douglas fir stand; poor Murrelet habitat.
5.2.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas (FPPR s.47-52)	• For each riparian class of stream found in and adjacent to the harvest area, the minimum riparian management area (RMA) width, riparian reserve zone (RRZ) width and riparian management zone (RMZ) width, on each side of the stream, are as per the table in FPPR 47(4). • No wetland or lakes exists within or surrounding the block, FPPRs 49. • All RMA infringements are due to stream crossings that cannot be avoid and or there is no other practical option for locating the road FPPR 50(1)(a), FPPR 50(1)(b), FPPR 51(1)(c).
5.2.4 Community Watersheds (FPPR s.8.2)	• The proposed harvest area is within the Sproat Lake Community Watershed. • CWAP recommendations have been followed and assessments completed to ensure low to moderate material adverse hydrological effects will occur as a result of forest practices.
5.2.5 Wildlife and Biodiversity – Landscape Level (FPPR s.64-65)	• The net area to be reforested is in accordance with the FPPR Sections 64 (less than 40ha) and 65 (it is not adjacent an existing cutblock).
5.2.6 Wildlife and Biodiversity – Stand Level (FPPR s.66-67)	• Wildlife tree retention targets are in accordance with the results or strategy for the approved Sproat Lake Landscape Unit Plan Objective 2. (FSP s. 5.1.1b) • No signs of bear dens were observed during field work.
5.2.7 Cultural Heritage Resources (FPPR s.10)	On March 4th 2013 Warren Lauder of the Hupacasath First Nations was emailed to begin the 30 day review process. On May 1, 2013 Steve Tatoosh from the Hupacasath First Nations gave approval to Block B12. It will be the responsibility of the licensee to ensure all First Nations parties involved are accommodated for and requirements are met. • If, during harvesting, any evidence of traditional use or cultural heritage values is found within or surrounding the area, notify the AVCF Manager and the Ministry of Forests Aboriginal Liaison Officer and cease work.
5.3.1 Visual Quality Objectives (FPPR s.7 – GAR Order)	• A visual impact assessment was completed by Darren Hiller on April 12th 2013. The assessment shows that the VQO of partial retention is met.

CUTBLOCK AND ROAD SITE PLAN

STOCKING STANDARDS

SU	Standards ID	NAR (ha)	Biogeoclimatic Ecosystem Classification				Regeneration Method	Preferred Species	Acceptable Species
			Zone	Subzone	Variant	Site Series			
A	1028571	12.4	CWH	xm	2	$01_{80}03_{10}05_{10}$	Plant	Fd	Hw Cw Pw[22]
B	1028572	1.4	CWH	xm	2	$03_{70}01_{30}$	Plant	Fd Pl	Hw Cw Pw[22]
C	1028571	1.2	CWH	xm	2	$01_{80}03_{10}05_{10}$	TBD	Fd	Hw Cw Pw[22]

([22]) Risk of white pine blister rust.

Stocking standards for specified areas (FSP section 6.3 and Appendix 2) apply and will be maintained on the area harvested for twelve months following the completion of harvesting. A post-harvest survey is required.

SU	Regen. Date (yrs)	FG Date Late (yrs)	MITD (m)	TSS (sph)	MSSp (sph)	MSSp (sph)	Min. FG Ht. by Species		Crop Tree to Brush Ratio %)
							Species	Ht (m)	
A	3	11	2.0	900	500	400	Fd Hw Cw Pw	3.0 2.0 1.5 2.5	150
B	8	11	2	800	400	400	Fd Pl Hw Cw Pw	3.0 1.25 1.25 1.0 2.5	150

SU	Regen. Date (yrs)	FG Date Late (yrs)	MITD (m)	TSS (sph)	Tree Layer	Target (sph)	Minimum Preferred and Acceptable (sph)	Minimum Preferred (sph)
C	NA	NA	NA	900	1 Mat. 2 Pole. 3 Sap. 4 Reg.	325 500 700 900	250 300 400 500	250 200 300 400

CUTBLOCK AND ROAD SITE PLAN

CRITICAL FACTORS AND REGENERATION COMMENTS

Harvesting: Block boundaries are established with orange flagging, orange tags, and falling corners. Boundary trees may be harvested when they are adjacent to an existing road or block. All other boundary trees should not be felled or damaged.

Commercial Thinning: A commercial thinning has been prescribed for SU C, net area 1.2 ha. The level of retention will be 310 st/ha or 178 m3/ha of merchantable timber, therefore removing half of the standing trees within SUC. The thinning will help improve the growth rate of the remaining stand by increasing growing space; it will also help to act as a visual screen. A field survey to ensure these targets are met is required post thinning. Reforestation is dependent upon a post-harvest survey of the SU. A second pass involving the removal of the residual stand and reforestation is expected within 20-30 years.

Remove: 50% of all stems, 178 m3/ha or 310 st/ha. Trees to be targeted are the larger dominant trees, suppressed trees and trees with defect such as sweep, fork or crooks.

Retain: 50% all stems, 178 m3/ha or 310 st/ha. This equals an average distance between retained trees of 6.4m. Target co- dominate and intermediate trees with good form, vigor and sufficient live crown greater than or equal to 30%. The prescription is to be implemented as dispersed removal/retention within SUC. The specific harvest method will be a ground based system. Harvesting details are to be determined in consultation with the logging contractor and the AVCF manager. All areas have access from B11-S1 and B11-S2.

Windthrow: A windthrow assessment was completed by Meridian Forest Services on March 21 2013. Block B12 has been assessed as having a moderate to low windthrow risk. No treatments required. See windthrow plan for further details.

Terrain Stability: It was determined that a terrain stability assessment was not required, this was based on the following rationale:

- Slopes are less than 60% and average15% within the block;
- No current or previous signs of instability;
- Easy road construction, no end haul
- A TSA was completed for the adjacent block B11, no issues found.

Recreation: Road B11-S1 is being constructed on the current designated recreational trail in Block B11. The primary use of this trail appears to be for motorized vehicles. Evidence of motorized vehicular use was also noticed along surrounding old road grades. Adequate signs are to be posted to inform the public user groups of active blasting, logging and hauling during operations.

Root Rot: Signs of root rot were noted during the survey. A stumping treatment is not recommended due to the shallow soils and steeper slopes of the infected root rot areas. Alternatively, it is recommended that Cw and Pw is planted within the root rot infested sites.

Coarse Woody Debris: Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end.

Wildlife Tree Retention Areas: WTRA totaling 2.2 ha have been designated for B12. This is equivalent to 12.3% of the total area to be harvested.

Invasive Plants: Broom occurs along sections of the highway and hauling roads on route to B12. Monitor and treat broom and other invasive species during early establishment. Grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest.

Natural Range Barriers: Natural range barriers do not apply to the proposed harvest area.

Regeneration: Plant promptly following harvesting to minimize the potential need for future brushing treatments. Focus Cw on water receiving sites, in areas where Mb brush competition is noted and in areas of root rot infection; as indicated on the map. All Cw is to be coned as deer browse has historically been an issue. Plant Pw in identified areas of root rot.

CUTBLOCK AND ROAD SITE PLAN

Recommended Planting Prescription:

SU	NAR (ha)	Species	Percent (%)	Stock Type	Stems/ha	Total Stems
A	12.4	Fd Cw Pw	70 20 10	415B or other 512A or other 415B or other	840 240 120	10416 2976 1488
B	1.4	Fd	100	415B or other	1200	1680
C	TBD	-	-	-	-	-

A more detailed planting prescription is to be completed during the Post-Harvest Assessment.

SUC is the prescribed commercial thinning area.

RIPARIAN MANAGEMENT					
Riparian Class of Feature	S3 S3 S4	Designation on Map	1R1 1R2 2	Falling and/or Skidding or Yarding Across a Stream	No No No

Stream 1 is an S3 none fish bearing S3 creek outside of the harvest area. It has been broken into 2 reaches, as reach 2 is to be treated as a gully. No signs of instability were noted along the creek for reach 1 or reach 2. A minimum of 30m was left as a buffer for the creek.

Stream 2 is a S4 non fish bearing creek that runs through the block. The creek is to be fall away yard across acceptable at the designated machine crossings. Two machine crossings are to be used for creek 2, see the harvest instruction map for approximate location. The machine crossings are to be established by the machine operator in the field with punchon and debris mats. The wood is only to be yarded across at these designated crossings, all other area are yard away. Stream 2 is to be machine cleaned post-harvest.

Retain cedar and non-merchantable stems within the RMZ where operationally practicable.

CUTBLOCK AND ROAD SITE PLAN

RPF SIGNATURE AND SEAL		
Prepared By:	Andrew Kenyon Name (Printed)	Andrew Kenyon 2013.05.08 14:06:55 -07'00'
Signing RPF:	Andrew Kenyon RPF Name (Printed)	
08/05/13 Date Signed (dd/mm/yy)	4739 RPF Number	RPF Signature and Seal

"I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work."

SITE DEGRADATION ESTIMATE

A: DESCRIPTION OF AREA

TENURE
AVCF

CP
05

BLOCK	Ha
B12	17.9

B: Natural Non-Productive

Type	Ha
CREEK	0.00
SWAMPS	0.00
SLIDES	0.00
ROCK OPENINGS	0.00
OTHER / RESERVES	0.00
	Total NNP 0.00

C: UNNATURAL NON-PRODUCTIVE (before Rehab.)

Type	START	END	AMOUNT	LENGTH (M)	SLOPE	WIDTH (M)	Ha	%
B11-S1	1496	1724	1	228	15	12	0.27	1.5
B11-S2	346	614	1	268	15	12	0.32	1.78
Landings			2	15	10	5	0.02	0.07
							0.61	3.36

D: SUMMARY

TYPE	Ha	%
GROSS AREA	17.9	100
NATURAL NON-PRODUCTIVE AREA	0.0	0.00
UNNATURAL NON-PRODUCTIVE AREA	.61	3.4
REHABILITATION AREA	0.0	0.00
NET AREA TO BE REFORESTED	15.0	83.8

E: COMMENTS:

PREPARED BY: A. Kenyon **DATE:** 04-March-13

Appendix 8: Blocks B11 and B12 Site Plan Maps

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

Forest and Range Practices Act

How to follow plan:

1) Always read and understand your plans and maps.
2) Always match your plan and map to what you find on the ground and then check that you can do the work.
3) Stop and ask if you cannot follow the plan and map.
4) Know your responsibilities. Ask if you are unsure.

Due Dilligence means following these steps.

SAFETY COORDINATES:
Lat: 49° 17' 31"
Long: 125° 02' 26"

ALBERNI VALLEY COMMUNITY FOREST

SILVICULTURE INSTRUCTIONS MAP

Cutblock: B11

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 31"
Long: 125° 02' 26"
Author: B. Bayley
Map Date: 26-Apr-2013

Scale: 1:5,000
Datum: NAD83
Mapsheet: 92F.025
Map Revision: 1a
Revised Date: dd-mmm-yyyy

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	
Internal Boundaries	FALLING BOUNDARY	
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	
Management Zones (All)		
Reserve Trees (Painted)	L	

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested
Legal Boundary
Pruning
Feathering
Road Features:
Built Road
Deactivated Road
Proposed Road
Future Road
Access Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced
Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Karst Feature
Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaelogical Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour
Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID
Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5
Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Special Management Zone

SU	Stocking Standards	BEC Zone	Subzone	Variant	Site Series Dominant (SS)	Site Series Related (SS-%)	Area (ha)
A	1028571	CWH	xm	2	01	03(5) 05(5)	12.8
B	1028571	CWH	xm	2	01	03(5) 05(5)	5.2
							0.0
							0.0
Net Area to be Reforested							18.0
Timbered Leave Areas							0.4
Wildlife Tree Retention Area							2.8
Permanent Access Structures (Roads)							1.6
						Total Area Under Prescription:	22.8

Silviculture Instructions
SU A
SU B
SU C
SU D
SU E
SU F
PAS/Roads
Sensitive Soils

Prepared By:
MERIDIAN Forest Services Ltd.
PO Box 275
#15-1010 Shearme Road
Coombs, BC V0R 1M0
www.meridianforest.ca

MAP 1 of 1 | **Cutting Permit: 005** | **Road Permit: R18553** | **B11 - BOOKHOUT CREEK**

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

Forest and Range Practices Act

How to follow plan:

1) Always read and understand your plans and maps.
2) Always match your plan and map to what you find on the ground and then check that you can do the work.
3) Stop and ask if you cannot follow the plan and map.
4) Know your responsibilities. Ask if you are unsure.

Due Dilligence means following these steps.

SAFETY COORDINATES:
Lat: 49° 17' 38"
Long: 125° 02' 21"

ALBERNI VALLEY COMMUNITY FOREST

SILVICULTURE INSTRUCTIONS MAP

Cutblock: B12

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 38"
Long: 125° 02' 21"
Author: B. Bayley
Map Date: 09-Apr-2013

Scale: 1:5,000
N
Datum: NAD83
Mapsheet: 92F.025
Map Revision: 1a
Revised Date: 30-Apr-2013

Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	●
Internal Boundaries	FALLING BOUNDARY	●
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	●
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	●
Management Zones (All)		
Reserve Trees (Painted)	L	●

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested
Legal Boundary
Pruning
Feathering
Road Features:
Built Road
Deactivated Road
Proposed Road
Backspar Trail
Access Trail
Bridge
Road Station 0+000
Existing Culvert
New Culvert
Culvert to be replaced
Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Karst Feature K1
Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaelogical Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour 200
Intermediate Contour
Riparian Features:
Fish Streams (S1-S4) S1
Non Fish streams (S5, S6) S5
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID
Lakes/Wetlands:
Lakes Class 1, 2, 3, 4 L1
Wetlands Class 1, 2, 3, 4, 5 W1
Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Special Management Zone

AS12
B11-S1
B11-S2
B11-S4
TF21B
AVCF
Blk: B11
Bookhout Creek
BP connector
Stream 2

SU	Stocking Standards	BEC Zone	Subzone	Variant	Site Series Dominant (SS)	Site Series Related (SS-%)	Area (ha)
A	1028571	CWH	xm	2	01	05(10) 03(10)	12.4
B	1028572	CWH	xm	2	03	01(30)	1.4
C	1028571	CWH	xm	2	01	05(10) 03(10)	1.2
							0.0
Net Area to be Reforested							**15.0**
Timbered Leave Areas							0.1
Wildlife Tree Retention Area							2.2
Permanent Access Structures (Roads)							0.6
						Total Area Under Prescription:	**17.9**

Silviculture Instructions
SU A
SU B
SU C
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SU E
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Sensitive Soils

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MAP 1 of 1 **Cutting Permit: 005** **Road Permit: R18553** **B12**