

## INTERIOR APPRAISAL DATA SUBMISSION

Licence A18697 Cutting Permit 432 Timber Mark EU6432 **AND** Effective Date 2012-10-22OR ECAS ID 44598

### ACKNOWLEDGEMENTS

This Appraisal Data Submission contains, as of this date, truthful information on the timber to be harvested, site conditions, harvesting, development, and silviculture plans and other information, all prepared according to the *Interior Appraisal Manual*.

If the R.P.F. or R.F.T. is not a staff member of the Licensee, then the

**Licensee Representative is:**

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Check if appropriate

☐

I certify that there have been no changes, to the data elements, specified operation or detailed engineering methodologies, or amendments to the cutting authority since the last appraisal or reappraisal.

☐

I certify that there are less than 2000 cubic metres of merchantable timber remaining on the cutting authority area and that no timber is expected to be harvested during the next year. I am requesting that the current appraisal be extended.

Select one of the options below

☐

I certify I personally completed the work described herein.

☒

I certify that the work described herein fulfils the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work.

☐

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.

**Registered Professional Forester/Registered Forest Technologist:**

Name: Hales, Shaun

R.P.F./R.F.T #: 3979 Registered Forest Technologist: ☐

Phone: (250)378-1282

Fax: \_\_\_\_\_

E-mail Address: SHAUN.HALES@TOLKO.COM

The information contained in this package may be released under the *Freedom of Information and Protection of Privacy Act*.

# INTERIOR APPRAISAL DATA SUBMISSION

## REFERENCE INFORMATION

Reference Timber Mark (Tied to:)	<u>N/A</u>	ECAS Status:	<u>CON - Confirmed</u>
AAC:	<u>100000m3</u>		
Administrative Forest District:	<u>DCS - Cascades Forest District</u>	Geographic Forest District:	<u>DCS - Cascades Forest District</u>
Tenure Type:	<u>A01 - Forest Licence</u>		
TSA:	<u>18 - Merritt TSA</u>	TSB:	<u>18E - Merritt TSA Block 5</u>

Appraisal Effective Date:	<u>2012-10-22</u>	Appraisal Expiry Date:	<u>2016-10-21</u>
Appraisal Type:	<input checked="" type="radio"/> New <input type="radio"/> Reappraisal	Rate Calculation Method:	<input type="radio"/> CVP <input checked="" type="radio"/> MPS
Reappraisal Reason:		Comparative Cruise:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Point of Appraisal:	MERR - Merritt	Salvage:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Stand Rate Eligibility:	Coniferous: C - CB Live and Dead Deciduous: C - CB Live and Dead		



# INTERIOR APPRAISAL DATA SUBMISSION

## Culverts

### Culverts (Tabulated)

Applicable Volume: \_\_\_\_\_ m3

Circular Pipe Diameter (m)	Circular Pipe Length (m)	Number

# INTERIOR APPRAISAL DATA SUBMISSION

## Tabular Roads

### Tabular Road Construction (New)

Applicable Volume: 35419 m3

Road Identifier	Road Group	BGC Zone	Road Section Number	Road Type	Subgrade				Stabilizing Material			
					Section Length (km)	Soil Moisture (blank, W)	Side Slope (%)	Rock (%)	Stabilizing Required	Length (km)	Mat. Type (blank, Q)	Distance to Source (km)
4	9 - Road Group 9	IDF	4	L - Long Term	0.20		8	5	No			

Total: 0.20

1	9 - Road Group 9	MS	1	L - Long Term	3.10		8	6	Yes	1.5		4.8
---	------------------	----	---	---------------	------	--	---	---	-----	-----	--	-----

Total: 3.10

2	9 - Road Group 9	MS	2	L - Long Term	0.30		18	7	No			
---	------------------	----	---	---------------	------	--	----	---	----	--	--	--

Total: 0.30

3	9 - Road Group 9	MS	3	L - Long Term	0.20		31	10	No			
---	------------------	----	---	---------------	------	--	----	----	----	--	--	--

Total: 0.20

5	9 - Road Group 9	MS	5	S - Short Term	0.90		11	6	No			
---	------------------	----	---	----------------	------	--	----	---	----	--	--	--

Total: 0.90

6	9 - Road Group 9	MS	6	S - Short Term	0.50		25	9	No			
---	------------------	----	---	----------------	------	--	----	---	----	--	--	--

Total: 0.50

Grand Total: 5.20

# INTERIOR APPRAISAL DATA SUBMISSION

## Other Development

### Other Structures

Fencing: \_\_\_\_\_ 0 (in 100's of metres)

Number of Cattle Guards: \_\_\_\_\_ 0

Number of Single Pipeline Crossings: \_\_\_\_\_ 0

Number of Multiple Pipeline Crossings: \_\_\_\_\_ 4

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## Allocated Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)

\* Trended to the Cost Base of the current Manual

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## Engineered Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)	Amended
1	Upgrade #1	2010	3557.16	3557.16	35419	<input type="checkbox"/>
2	Upgrade #2	2010	4857.54	4857.54	35419	<input type="checkbox"/>

\* Trended to the Cost Base of the current Manual

# INTERIOR APPRAISAL DATA SUBMISSION

## OPERATING COST INFORMATION

### Specified Operations

#### Description

Rate \$/ m<sup>3</sup>

COMMENTS:



# INTERIOR APPRAISAL DATA SUBMISSION

## Control

## Forest District

Was the Appraisal Data Field Checked: ☐ Yes ☒ No

Was this CP Check Cruised: ☐ Yes ☒ No

Appraisal Data Submission has been validated against FTA: ☒

Silviculture Levy \$0.00 Development Levy \$0.00

Data Submission Reviewed By	Email	Date Submitted	Date Received
Dosch, Marlon	Marlon.Dosch@gov.bc.ca	2012-09-20	2012-10-22

## Forest Region

Adjusted Quarterly: ☒ Yes ☐ No # of issues: TOA Eligible: ☒ Yes ☐ No

MVI Eligible: ☐ Yes ☒ No

TOA Miscellaneous Cost: 0.00

MPS/CVP Differential: 0 \$/m3

Reviewed By	Email	Date Sent To Region	Date Transferred to GAS
Chantler, Ken	Ken.Chantler@gov.bc.ca	2012-10-22	2013-01-11

## ECAS Status

CON - Confirmed

# INTERIOR APPRAISAL DATA SUBMISSION

## Cruise Information / Tree to Truck Data

### Cruise Information

**Total Net Coniferous Cruise Volume:** 35419 m3    **CP Avg. Vol / Tree:** .39 m3/tree  
**Net Merchantable Area:** 98.2 ha    **CP Avg. Vol / ha:** 361.0 m3/ha  
**Net Area to be Reforested:** 98.2 ha    **CP Average Slope:** 19 %  
**Deciduous Volume (m3):** 0 m3    **BEC Zone:** MS    **SubZone:** dm    **Variant:** 2 %: 100  
**Sampling Error % (at 2 stand.dev):** 11 %    **BEC Zone:**                         **SubZone:**                         **Variant:**                      %:                       
**Selling Price Zone:** 7 - Southern Interior

Species	Volume (m3)	Decay (%)	Stud Log (%)	LRF	Burn (%)
BA - Balsam	1015	13	70	174	0
FI - Fir	8878	4	35	183	0
LO - Lodge-Pine	19234	5	65	119	0
SP - Spruce	6292	7	28	203	0

**Total** 35419

Insect Damage Type	Volume (m3)
Gray Attack	13838
Green Attack	2720
Red Attack	324
Other Insects	374

### Tree to Truck

**Support Centre:** Merritt    **Distance to Support Centre:** 76 km (one way)

	Conventional		Overhead Cable			Other Systems		
	Ground Skidding		Highlead / Grapple		Skyline	Helicopter		Horse
	Clear Cut	Partial Cut	Clear Cut	Partial Cut		Clear Cut	Partial Cut	
Vol. To be harvested (m3)	35419							
Lodgepole Pine Vol. (m3)								
Hemlock Vol. (m3)								
Spruce Volume (m3)								
Biogeoclimatic zone	MS							
Net volume / tree (m3)	.39							
Volume / hectare (m3)	361							
Stand defect (%)	18							
Partial cut (%)								
Average slope (%)	19							
Blowdown (%)	6							
Heavy fire damage (%)	0							
Dead useless snags (%)	3							
Skyline Yarding Dist. (m)								
Heli Yarding Dist. (km)								
Uphill Yarding?						<input type="checkbox"/>	<input type="checkbox"/>	

# INTERIOR APPRAISAL DATA SUBMISSION

## Attachments

If submitting attachments as a single zip file, submit below.

Please check off below what attachments are contained in the zip file.

Attach File: 432 ECAS Sub.zip

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Appraisal Map                | <input type="checkbox"/> Comparative Cruise Info. as per Cruising Manual           | <input checked="" type="checkbox"/> Detailed Cycle Time Calculation                           |
| <input checked="" type="checkbox"/> Cruise Compilation           | <input type="checkbox"/> Amendements to Original Cruise Compilation                | <input checked="" type="checkbox"/> Engineered Estimates Detailed Calculations and Support In |
| <input type="checkbox"/> Percent Rock Calculation                | <input type="checkbox"/> Specified Operations Detailed Calculations and Support In | <input type="checkbox"/> Road Use Charges (copy of approved document)                         |
| <input type="checkbox"/> Extended Amortization Detailed Agreeeme | <input type="checkbox"/> Allocated Development Detailed Calculations               | <input type="checkbox"/> BCTS Application in Tender (FS574)                                   |
| <input type="checkbox"/> Miscellaneous                           |  |   |

If attaching individually, submit below.

If the item applies to this appraisal then the attachment must be included or paper copy submitted to the District.

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
Appraisal Map	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Comparative Cruise Info. as per Cruising Manual	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Detailed Cycle Time Calculation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Cruise Compilation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Amendements to Original Cruise Compilation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Engineered Estimates Detailed Calculations and Support In	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Percent Rock Calculation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Specified Operations Detailed Calculations and Support In	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Road Use Charges (copy of approved document)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	EU6433_2.pdf
Extended Amortization Detailed Agreement	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Allocated Development Detailed Calculations	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
BCTS Application in Tender (FS574)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
Miscellaneous No Description Available	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	

## INTERIOR APPRAISAL DATA SUBMISSION

Licence A65006 Cutting Permit 403 Timber Mark AK4403 **AND** Effective Date 2011-10-14OR ECAS ID 38611

### ACKNOWLEDGEMENTS

This Appraisal Data Submission contains, as of this date, truthful information on the timber to be harvested, site conditions, harvesting, development, and silviculture plans and other information, all prepared according to the *Interior Appraisal Manual*.

If the R.P.F. or R.F.T. is not a staff member of the Licensee, then the

#### Licensee Representative is:

Name: Kuzio, Shaun M

Phone: (250)378-2277

Fax: (250)378-2541

E-mail Address: shaunk@stuwix.com

Check if appropriate

☐

I certify that there have been no changes, to the data elements, specified operation or detailed engineering methodologies, or amendments to the cutting authority since the last appraisal or reappraisal.

☐

I certify that there are less than 2000 cubic metres of merchantable timber remaining on the cutting authority area and that no timber is expected to be harvested during the next year. I am requesting that the current appraisal be extended.

Select one of the options below

☐

I certify I personally completed the work described herein.

☐

I certify that the work described herein fulfils the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work.

☒

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.

#### Registered Professional Forester/Registered Forest Technologist:

Name: Shaun, Kuzio

R.P.F./R.F.T #: 4099

Registered Forest Technologist: ☐

Phone: (250)997-2738

Fax:

E-mail Address: shaunk@stuwix.com

The information contained in this package may be released under the *Freedom of Information and Protection of Privacy Act*.

# INTERIOR APPRAISAL DATA SUBMISSION

## REFERENCE INFORMATION

Reference Timber Mark (Tied to:)	_____	ECAS Status:	CON - Confirmed
AAC:	303886m3		
Administrative Forest District:	DCS - Cascades Forest District	Geographic Forest District:	DCS - Cascades Forest District
Tenure Type:	A01 - Forest Licence		
TSA:	18 - Merritt TSA	TSB:	18F - Merritt TSA Block 6

Appraisal Effective Date:	2011-10-14	Appraisal Expiry Date:	2013-10-13
Appraisal Type:	<input checked="" type="radio"/> New <input type="radio"/> Reappraisal	Rate Calculation Method:	<input type="radio"/> CVP <input checked="" type="radio"/> MPS
Reappraisal Reason:		Comparative Cruise:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Point of Appraisal:	PRIN - Princeton	Salvage:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Stand Rate Eligibility:	Coniferous: S - Sawlog Grades Deciduous: N - No Grades		





# INTERIOR APPRAISAL DATA SUBMISSION

## Culverts

### Culverts (Tabulated)

Applicable Volume: \_\_\_\_\_ m3

Circular Pipe Diameter (m)	Circular Pipe Length (m)	Number

# INTERIOR APPRAISAL DATA SUBMISSION

## Tabular Roads

### Tabular Road Construction (New)

Applicable Volume: 71757 m3

Road Identifier	Road Group	BGC Zone	Road Section Number	Road Type	Subgrade				Stabilizing Material			
					Section Length (km)	Soil Moisture (blank, W)	Side Slope (%)	Rock (%)	Stabilizing Required	Length (km)	Mat. Type (blank, Q)	Distance to Source (km)
403.06.2	9 - Road Group 9	ESSF	2	L - Long Term	0.40		9	4	Yes	.4		1.4

Total: 0.40

403.08	9 - Road Group 9	ESSF	1	S - Short Term	0.70		11	1	No			
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Total: 0.70

403.02	9 - Road Group 9	MS	1	L - Long Term	2.00		27	1	Yes	2		1.3
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Total: 2.00

403.03	9 - Road Group 9	MS	1	L - Long Term	1.90		16	1	Yes	1.9		1.1
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Total: 1.90

403.05	9 - Road Group 9	MS	1	S - Short Term	0.70		20	1	No			
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Total: 0.70

403.06.1	9 - Road Group 9	MS	1	L - Long Term	2.10		25	4	Yes	2.1		1.9
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Total: 2.10

403.07	9 - Road Group 9	MS	1	S - Short Term	0.60		15	3	No			
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Total: 0.60

Grand Total: 8.40

# INTERIOR APPRAISAL DATA SUBMISSION

## Other Development

### Other Structures

Fencing: \_\_\_\_\_ 0 (in 100's of metres)

Number of Cattle Guards: \_\_\_\_\_ 0

Number of Single Pipeline Crossings: \_\_\_\_\_ 0

Number of Multiple Pipeline Crossings: \_\_\_\_\_ 0

### Allocated Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)

\* Trended to the Cost Base of the current Manual

### Engineered Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)	Amended
						<input type="checkbox"/>

\* Trended to the Cost Base of the current Manual

# INTERIOR APPRAISAL DATA SUBMISSION

OPERATING COST INFORMATION	
Specified Operations	
Description	Rate \$/ m <sup>3</sup>
High Development Cost COMMENTS:	0.00
Root Disease COMMENTS:	0.00
Skidder Swinging COMMENTS:	0.00
Suitable Secondary Structure Survey Specified Operation COMMENTS:	0.00

# INTERIOR APPRAISAL DATA SUBMISSION

## Control

## Forest District

Was the Appraisal Data Field Checked:

☐ Yes ☒ No

Was this CP Check Cruised:

☐ Yes ☒ No

Appraisal Data Submission has been validated against FTA:



Silviculture Levy

Development Levy

Data Submission Reviewed By

Email

Date Submitted

Date Received

Dosch, Marlon

Marlon.Dosch@gov.bc.ca

2011-08-12

2011-11-25

## Forest Region

Adjusted Quarterly:

☒ Yes ☐ No

# of issues:

TOA Eligible:

☒ Yes ☐ No

MVI Eligible:

☐ Yes ☒ No

TOA Miscellaneous Cost:

MPS/CVP Differential:

0 \$/m3

Reviewed By

Email

Date Sent To  
Region

Date Transferred  
to GAS

Chantler, Ken

Ken.Chantler@gov.bc.ca

2011-11-25

2011-12-20

ECAS Status

CON - Confirmed

# INTERIOR APPRAISAL DATA SUBMISSION

## Cruise Information / Tree to Truck Data

### Cruise Information

Total Net Coniferous Cruise Volume: 71757 m3 CP Avg. Vol / Tree: .43 m3/tree  
 Net Merchantable Area: 137.6 ha CP Avg. Vol / ha: 521.0 m3/ha  
 Net Area to be Reforested: 137.6 ha CP Average Slope: 33 %  
 Deciduous Volume (m3): 0 m3 BEC Zone: MS SubZone: dm Variant: 2 %: 84  
 Sampling Error % (at 2 stand.dev): 9 % BEC Zone: ESSF SubZone: dc Variant: 2 %: 16  
 Selling Price Zone: 7 - Southern Interior

Species	Volume (m3)	Decay (%)	Stud Log (%)	LRF	Burn (%)
BA - Balsam	6135	10	36	185	0
FI - Fir	4975	2	39	184	0
LO - Lodge-Pine	47483	3	65	175	0
SP - Spruce	13164	3	28	204	0

Total 71757

Insect Damage Type	Volume (m3)
Gray Attack	690
Green Attack	6158
Red Attack	7317
Other Insects	1726

### Tree to Truck

Support Centre: Princeton Distance to Support Centre: 49 km (one way)

	Conventional		Overhead Cable			Other Systems		
	Ground Skidding		Highlead / Grapple		Skyline	Helicopter		Horse
	Clear Cut	Partial Cut	Clear Cut	Partial Cut		Clear Cut	Partial Cut	
Vol. To be harvested (m3)	55423		16334					
Lodgepole Pine Vol. (m3)			10233					
Hemlock Vol. (m3)								
Spruce Volume (m3)								
Biogeoclimatic zone	MS		MS					
Net volume / tree (m3)	.44		.41					
Volume / hectare (m3)	507.5		575.1					
Stand defect (%)	8		7					
Partial cut (%)								
Average slope (%)	30		44					
Blowdown (%)	4		5					
Heavy fire damage (%)	0		0					
Dead useless snags (%)	1		0					
Skyline Yarding Dist. (m)								
Heli Yarding Dist. (km)								
Uphill Yarding?						<input type="checkbox"/>	<input type="checkbox"/>	



# INTERIOR APPRAISAL DATA SUBMISSION

## Attachments

If submitting attachments as a single zip file, submit below.

Please check off below what attachments are contained in the zip file.

Attach File: \_\_\_\_\_

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Appraisal Map                           | <input type="checkbox"/> Comparative Cruise Info. as per Cruising Manual           | <input type="checkbox"/> Detailed Cycle Time Calculation                           |
| <input type="checkbox"/> Cruise Compilation                      | <input type="checkbox"/> Amendments to Original Cruise Compilation                 | <input type="checkbox"/> Engineered Estimates Detailed Calculations and Support In |
| <input type="checkbox"/> Percent Rock Calculation                | <input type="checkbox"/> Specified Operations Detailed Calculations and Support In | <input type="checkbox"/> Road Use Charges (copy of approved document)              |
| <input type="checkbox"/> Extended Amortization Detailed Agreeeme | <input type="checkbox"/> Allocated Development Detailed Calculations               | <input type="checkbox"/> BCTS Application in Tender (FS574)                        |
| <input type="checkbox"/> Miscellaneous                           |  |  |

If attaching individually, submit below.

If the item applies to this appraisal then the attachment must be included or paper copy submitted to the District.

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
Appraisal Map	●	○	○	cp403_appraisal_Nov17.pdf
Comparative Cruise Info. as per Cruising Manual	○	○	●	
Detailed Cycle Time Calculation	●	○	○	Detailed Cycle Time CP 403.xls
Cruise Compilation	●	○	○	A65006_403.pdf
Amendements to Original Cruise Compilation	○	○	●	
Engineered Estimates Detailed Calculations and Support In	○	○	●	
Percent Rock Calculation	○	○	●	
Specified Operations Detailed Calculations and Support In	○	○	●	
Road Use Charges (copy of approved document)	○	○	●	
Extended Amortization Detailed Agreement	○	○	●	
Allocated Development Detailed Calculations	○	○	●	
BCTS Application in Tender (FS574)	○	○	●	

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
<b>Miscellaneous</b> No Description Available	●	○	○	A65006_403.dat
SP Notes	●	○	○	CP 403_2 Biogeo map.zip
Reserved Timber	●	○	○	A65006 CP 403 Schedule B1.doc

## INTERIOR APPRAISAL DATA SUBMISSION

Licence A18698 Cutting Permit 185 Timber Mark EU7185 **AND** Effective Date 2011-11-21OR ECAS ID 39564

### ACKNOWLEDGEMENTS

This Appraisal Data Submission contains, as of this date, truthful information on the timber to be harvested, site conditions, harvesting, development, and silviculture plans and other information, all prepared according to the *Interior Appraisal Manual*.

If the R.P.F. or R.F.T. is not a staff member of the Licensee, then the

**Licensee Representative is:**

Name: \_\_\_\_\_,

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Check if appropriate

☐

I certify that there have been no changes, to the data elements, specified operation or detailed engineering methodologies, or amendments to the cutting authority since the last appraisal or reappraisal.

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I certify that there are less than 2000 cubic metres of merchantable timber remaining on the cutting authority area and that no timber is expected to be harvested during the next year. I am requesting that the current appraisal be extended.

Select one of the options below

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I certify I personally completed the work described herein.

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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.

**Registered Professional Forester/Registered Forest Technologist:**

Name: Carmichael, Jason

R.P.F./R.F.T #: 3163 Registered Forest Technologist: ☐

Phone: (250)295-3281

Fax: \_\_\_\_\_

E-mail Address: jason.carmichael@weyerhaeuser.com

The information contained in this package may be released under the *Freedom of Information and Protection of Privacy Act*.

# INTERIOR APPRAISAL DATA SUBMISSION

## REFERENCE INFORMATION

Reference Timber Mark (Tied to:)	_____	ECAS Status:	CON - Confirmed
AAC:	413566m3		
Administrative Forest District:	DCS - Cascades Forest District	Geographic Forest District:	DCS - Cascades Forest District
Tenure Type:	A01 - Forest Licence		
TSA:	18 - Merritt TSA	TSB:	18H - Merritt TSA Block 8

Appraisal Effective Date:	2011-11-21	Appraisal Expiry Date:	2015-11-20
Appraisal Type:	<input checked="" type="radio"/> New <input type="radio"/> Reappraisal	Rate Calculation Method:	<input type="radio"/> CVP <input checked="" type="radio"/> MPS
Reappraisal Reason:		Comparative Cruise:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Point of Appraisal:	PRIN - Princeton	Salvage:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Stand Rate Eligibility:	Coniferous: S - Sawlog Grades Deciduous: N - No Grades		



# INTERIOR APPRAISAL DATA SUBMISSION

## Culverts

### Culverts (Tabulated)

Applicable Volume: \_\_\_\_\_ m3

Circular Pipe Diameter (m)	Circular Pipe Length (m)	Number

# INTERIOR APPRAISAL DATA SUBMISSION

## Tabular Roads

### Tabular Road Construction (New)

Applicable Volume: 299558 m3

Road Identifier	Road Group	BGC Zone	Road Section Number	Road Type	Subgrade				Stabilizing Material			
					Section Length (km)	Soil Moisture (blank, W)	Side Slope (%)	Rock (%)	Stabilizing Required	Length (km)	Mat. Type (blank, Q)	Distance to Source (km)
2	9 - Road Group 9	ESSF	2	S - Short Term	10.40		23	1	No			
Total:					10.40							
3	9 - Road Group 9	ESSF	1	L - Long Term	8.20		23	1	No			
Total:					8.20							
1	9 - Road Group 9	MS	3	S - Short Term	4.80		23	1	No			
Total:					4.80							
4	9 - Road Group 9	MS	4	L - Long Term	2.00		23	1	No			
Total:					2.00							
Grand Total:					25.40							

# INTERIOR APPRAISAL DATA SUBMISSION

## Other Development

### Other Structures

Fencing: \_\_\_\_\_ 0 (in 100's of metres)

Number of Cattle Guards: \_\_\_\_\_ 0

Number of Single Pipeline Crossings: \_\_\_\_\_ 0

Number of Multiple Pipeline Crossings: \_\_\_\_\_ 0

## Allocated Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)

\* Trended to the Cost Base of the current Manual

## Engineered Development

Identifier	Description	Cost Base Year of Original Cost	Original Cost (\$)	Trended Cost(\$)*	Applicable Volume (m3)	Amended
1	Surfacing on Existing Roads	2009	59565.00	59565.00	299558	<input type="checkbox"/>
2	Road Upgrade	2009	282.80	282.80	299558	<input type="checkbox"/>
3	Road Upgrade	2009	2985.60	2985.60	299558	<input type="checkbox"/>

\* Trended to the Cost Base of the current Manual



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## OPERATING COST INFORMATION

### Specified Operations

#### Description

Rate \$/ m<sup>3</sup>

COMMENTS:

# INTERIOR APPRAISAL DATA SUBMISSION

## Control

## Forest District

Was the Appraisal Data Field Checked: ☐ Yes ☒ No

Was this CP Check Cruised: ☐ Yes ☒ No

Appraisal Data Submission has been validated against FTA: ☒

### Silviculture Levy

### Development Levy

Data Submission Reviewed By	Email	Date Submitted	Date Received
Sine, Craig	Craig.Sine@gov.bc.ca	2011-10-04	2011-10-31

## Forest Region

Adjusted Quarterly: ☒ Yes ☐ No # of issues: TOA Eligible: ☒ Yes ☐ No

MVI Eligible: ☐ Yes ☒ No

TOA Miscellaneous Cost:

MPS/CVP Differential: 0 \$/m3

Reviewed By	Email	Date Sent To Region	Date Transferred to GAS
Chantler, Ken	Ken.Chantler@gov.bc.ca	2011-10-31	2011-12-22

### ECAS Status

CON - Confirmed

# INTERIOR APPRAISAL DATA SUBMISSION

## Cruise Information / Tree to Truck Data

### Cruise Information

**Total Net Coniferous Cruise Volume:** 299558 m3    **CP Avg. Vol / Tree:** .53 m3/tree  
**Net Merchantable Area:** 623 ha    **CP Avg. Vol / ha:** 480.8 m3/ha  
**Net Area to be Reforested:** 623.0 ha    **CP Average Slope:** 23 %  
**Deciduous Volume (m3):** 0 m3    **BEC Zone:** MS    **SubZone:** dm    **Variant:** 2 %: 31  
**Sampling Error % (at 2 stand.dev):** 9 %    **BEC Zone:** ESSF    **SubZone:** dc    **Variant:** 2 %: 69  
**Selling Price Zone:** 7 - Southern Interior

Species	Volume (m3)	Decay (%)	Stud Log (%)	LRF	Burn (%)
BA - Balsam	20450	13	36	188	0
FI - Fir	100	3	29	208	0
LO - Lodge-Pine	209339	7	42	169	0
SP - Spruce	69669	6	28	204	0

**Total** 299558

Insect Damage Type	Volume (m3)
Gray Attack	32645
Green Attack	38216
Red Attack	43668
Other Insects	4284

### Tree to Truck

**Support Centre:** Princeton    **Distance to Support Centre:** 37 km (one way)

	Conventional		Overhead Cable			Other Systems		
	Ground Skidding		Highlead / Grapple		Skyline	Helicopter		Horse
	Clear Cut	Partial Cut	Clear Cut	Partial Cut		Clear Cut	Partial Cut	
Vol. To be harvested (m3)	299558							
Lodgepole Pine Vol. (m3)								
Hemlock Vol. (m3)								
Spruce Volume (m3)								
Biogeoclimatic zone	ESSF							
Net volume / tree (m3)	.53							
Volume / hectare (m3)	481							
Stand defect (%)	18							
Partial cut (%)								
Average slope (%)	23							
Blowdown (%)	5							
Heavy fire damage (%)	0							
Dead useless snags (%)	5							
Skyline Yarding Dist. (m)								
Heli Yarding Dist. (km)								
Uphill Yarding?						<input type="checkbox"/>	<input type="checkbox"/>	

# INTERIOR APPRAISAL DATA SUBMISSION

## Attachments

If submitting attachments as a single zip file, submit below.

Please check off below what attachments are contained in the zip file.

Attach File: \_\_\_\_\_

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Appraisal Map                           | <input type="checkbox"/> Comparative Cruise Info. as per Cruising Manual           | <input type="checkbox"/> Detailed Cycle Time Calculation                           |
| <input type="checkbox"/> Cruise Compilation                      | <input type="checkbox"/> Amendements to Original Cruise Compilation                | <input type="checkbox"/> Engineered Estimates Detailed Calculations and Support In |
| <input type="checkbox"/> Percent Rock Calculation                | <input type="checkbox"/> Specified Operations Detailed Calculations and Support In | <input type="checkbox"/> Road Use Charges (copy of approved document)              |
| <input type="checkbox"/> Extended Amortization Detailed Agreeeme | <input type="checkbox"/> Allocated Development Detailed Calculations               | <input type="checkbox"/> BCTS Application in Tender (FS574)                        |
| <input type="checkbox"/> Miscellaneous                           |  |  |

If attaching individually, submit below.

If the item applies to this appraisal then the attachment must be included or paper copy submitted to the District.

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
Appraisal Map	●	○	○	Appraisal Maps.zip
Comparative Cruise Info. as per Cruising Manual	○	○	●	
Detailed Cycle Time Calculation	●	○	○	FL A18698 CP 185 Cycle time revised.xlsx
Cruise Compilation	●	○	○	CP 185 appraisal compilations.zip
Amendements to Original Cruise Compilation	○	○	●	
Engineered Estimates Detailed Calculations and Support In	●	○	○	A18698 CP 185 Engineered Cost Estimates_modified 2011_10_27.pdf
Percent Rock Calculation	○	○	●	
Specified Operations Detailed Calculations and Support In	○	○	●	
Road Use Charges (copy of approved document)	○	○	●	
Extended Amortization Detailed Agreement	○	○	●	
Allocated Development Detailed Calculations	○	○	●	
BCTS Application in Tender (FS574)	○	○	●	

	Electronic (Attached)	Paper Copy to Follow	NA	Attachment
Miscellaneous Cycle Time Rationale	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Response to Appraisal Review.pdf