

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02341 CP11  
**Date:** September 10, 2019 10:33:50 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB054

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-10-20
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	11	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2019-06-01

Appraisal Status: Confirmed

Expiry Date: 2020-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	44.14			44.14		44.14
BA		2	44.14			44.14		44.14
CE		1	44.14			44.14		44.14
CE		2	44.14			44.14		44.14
FI		1	44.14			44.14		44.14
FI		2	44.14			44.14		44.14
HE		1	44.14			44.14		44.14
HE		2	44.14			44.14		44.14
LA		1	44.14			44.14		44.14
LA		2	44.14			44.14		44.14
LO		1	44.14			44.14		44.14
LO		2	44.14			44.14		44.14
SP		1	44.14			44.14		44.14
SP		2	44.14			44.14		44.14

Appraisal Effective Date: 2018-06-01

Appraisal Status: Confirmed

Expiry Date: 2019-05-31



**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
North Area	29.15	South Area	32.80
Northeast Region	17.47	Cariboo Region	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
Omineca Region	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	Kootenay/Boundary Region	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
Skeena Region	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

39.93  
4.21  
—  
44.14

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)										
Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North Coast Timber Supply Area)	0.43	Cascadia Blks 9,10,11	0.25
		Kalum	0.25
		Nass	0.26
		Pacific Blks 28A,28B	0.25
Nadina	22.88	Lakes	22.81
		Morice	22.89
Peace	8.20	Dawson Creek	9.29
		Fort St John	6.53
Prince George	29.42	Robson Valley	6.42
Quesnel	26.90	Cascadia Blks 5,6,7,8	26.90
		Quesnel	26.90
Rocky Mountain	21.98	Cranbrook	23.68
		Invermere	17.13
Selkirk	20.12	Arrow	18.75
		Boundary	23.41
		Cascadia Blks 1,2,3	18.75
		Cascadia Blk. 4	5.41
		Golden	22.45
		Kootenay Lake	24.39
		Revelstoke	5.41
Skeena Stikine	14.69	Bulkley	15.16
		Cassiar	0.49
		Kispiox	14.29

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	29.89	Fort St. James	29.17
		Vanderhoof	20.95
Williams Lake	27.90	Cariboo Chilcotin	27.78
		Williams Lake TSA Blks, A, B, C, D, E & I	12.95

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	6.53
Mackenzie	Mackenzie	24.60
Okanagan Shuswap	Okanagan	22.57
Thompson Rivers	Kamloops	22.63
100 Mile House	100 Mile House	31.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	21.03	Northeast	8.20
		Omineca	28.02
		Skeena	15.65
South	23.34	Cariboo	28.38
		Kootenay Boundary	20.81
		Thompson-Okanagan	22.91

MTB054  
\$33.31

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2018

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25			3.89
South	4.82	6.14	5.34	6.14	5.56	4.04	4.49	5.96	5.33	4.72

Timber Pricing Branch

Verified by:

SBF



## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB054

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License:	M02341	Mark Extend Date:	
Cutting Permit:	11	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2017-06-01

Appraisal Status: Confirmed

Expiry Date: 2018-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	26.33			26.33		26.33
BA		2	26.33			26.33		26.33
CE		1	26.33			26.33		26.33
CE		2	26.33			26.33		26.33
FI		1	26.33			26.33		26.33
FI		2	26.33			26.33		26.33
HE		1	26.33			26.33		26.33
HE		2	26.33			26.33		26.33
LA		1	26.33			26.33		26.33
LA		2	26.33			26.33		26.33
LO		1	26.33			26.33		26.33
LO		2	26.33			26.33		26.33
SP		1	26.33			26.33		26.33
SP		2	26.33			26.33		26.33

Appraisal Effective Date: 2016-06-01

Appraisal Status: Confirmed

Expiry Date: 2017-05-31

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	20.26	Lillooet	1.97
		Merritt	23.61
Coast Mountain (excluding North Coast Timber Supply Area)	0.47	Cascadia Blks 9,10,11	0.35
		Kalum	0.35
		Nass	0.25
		Pacific Blks 28A,28B	0.35
Nadina	13.15	Lakes	10.13
		Morice	13.37
Peace	5.11	Dawson Creek	5.95
		Fort St John	4.14
Prince George	22.63	Robson Valley	5.19
Quesnel	20.40	Cascadia Blks 5,6,7,8	20.40
		Quesnel	20.40
Rocky Mountain	19.30	Cranbrook	21.57
		Invermere	17.03
Selkirk	16.84	Arrow	18.21
		Boundary	18.43
		Cascadia Blks 1,2,3	18.21
		Cascadia Blk. 4	10.13
		Golden	13.63
		Kootenay Lake	17.91
		Revelstoke	10.13
Skeena Stikine	10.48	Bulkley	13.23
		Cassiar	0.29
		Kispiox	14.40

22.63  
3.70  
\$26.33

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	23.13	Fort St. James	22.36
		Vanderhoof	20.36
Williams Lake	25.48	Cariboo Chilcotin	25.48
		Williams Lake TSA Blks, A, B, C, D, E & I	4.17

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	4.14
Mackenzie	Mackenzie	12.19
Okanagan Shuswap	Okanagan	20.21
Thompson Rivers	Kamloops	19.86
100 Mile House	100 Mile House	24.75

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	14.83	Northeast	5.11
		Omenica	20.60
		Skeena	9.38
South	19.64	Cariboo	23.06
		Kootenay Boundary	17.62
		Thompson-Okanagan	20.12

# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

EFFECTIVE: April 1, 2017

## Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.46	1.76	3.16	1.96		3.67	3.99			3.70
South	4.71	6.50	5.25	6.42	5.54	4.05	4.38	6.47	3.45	4.59

Timber Pricing Branch

Verified by: SGT



Timber Mark: MTB054

## Timber Mark Appraisal Summary

### General Information

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License:	M02341	Mark Extend Date:	
Cutting Permit:	11	Forest District:	Prince George Natural Resource I
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut Sec 4
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2016-06-01

Appraisal Status: Confirmed

Expiry Date: 2017-05-31

### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	27.05			27.05		27.05
BA		2	27.05			27.05		27.05
CE		1	27.05			27.05		27.05
CE		2	27.05			27.05		27.05
FI		1	27.05			27.05		27.05
FI		2	27.05			27.05		27.05
HE		1	27.05			27.05		27.05
HE		2	27.05			27.05		27.05
LA		1	27.05			27.05		27.05
LA		2	27.05			27.05		27.05
LO		1	27.05			27.05		27.05
LO		2	27.05			27.05		27.05
SP		1	27.05			27.05		27.05
SP		2	27.05			27.05		27.05



**Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	21.76	Lillooet	8.49
		Merritt	23.92
Coast Mountain (excluding North Coast Timber Supply Area)	4.24	Cascadia Blks 9,10,11	3.76
		Kalum	3.76
		Nass	4.67
		Pacific Bks 28A,28B	3.76
Nadina	14.23	Lakes	12.35
		Morice	14.48
Peace	8.94	Dawson Creek	7.98
		Fort St John	10.02
Prince George	23.76	Robson Valley	13.39
Quesnel	21.25	Cascadia Bks 5,6,7,8	21.25
		Quesnel	21.25
Rocky Mountain	17.15	Cranbrook	16.24
		Invermere	17.69
Selkirk	20.69	Arrow	22.56
		Boundary	24.40
		Cascadia Blks 1,2,3	22.56
		Cascadia Blk. 4	19.66
		Golden	16.18
		Kootenay Lake	17.60
		Revelstoke	19.66
Skeena Stikine	11.05	Bulkley	11.25
		Cassiar	1.35
		Kispiox	14.78

MTB 054.

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	23.88	Fort St. James	20.45
		Vanderhoof	15.90
Williams Lake	17.60	Cariboo Chilcotin	17.60
		Williams Lake TSA Blocks, A, B, C, D, E & I	13.61

\$ 23.76

+ 3.29

\$ 27.05

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	8.94*
Mackenzie	Mackenzie	17.06
Okanagan Shuswap	Okanagan	22.00
Thompson Rivers	Kamloops	23.16
100 Mile House	100 Mile House	17.26

\*Regional rate

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	15.98	Northeast	8.94
		Omenica	21.33
		Skeena	11.45
South	20.84	Cariboo	19.11
		Kootenay Boundary	19.52
		Thompson-Okanagan	22.23

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2016

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	2.92	1.80	3.04	1.97		3.35	3.44			3.29
South	5.21	5.88	5.20	5.88	5.41	4.67	4.86	5.64	5.18	4.29

Timber Pricing Branch

Verified by: \_\_\_\_\_

*SBE*

2 3.76  
3.29  
-----  
\$ 21.05

DOCUMENT TRANSMITTAL

<b>Transmittal No:</b>	<b>CGL4703-GEOT-CGP-TR-0658</b>	<b>Date: Feb 5 2016</b>
------------------------	---------------------------------	-------------------------

<b>To:</b>	<b>Ministry of Forests, Lands and Natural Resource Operations</b> 2000 South Ospika Blvd. Prince George, BC, V2N 4W5	<b>From:</b>	Geoterra IRS 1301 Kelliher Rd, Prince George, BC, V2L 5S8 250-640-2974
<b>Attn:</b>	MFLNRO	<b>Prepared by:</b>	Matt Pilszek
<b>Email Address:</b>	<a href="mailto:RNIREVShortForms@gov.bc.ca">RNIREVShortForms@gov.bc.ca</a>	<b>Email Address:</b>	<a href="mailto:Matt.pilszek@geoterra.net">Matt.pilszek@geoterra.net</a>
<b>Subject:</b>	COASTAL GASLINK PIPELINE LTD. OGC Permit # 9641148 (Prince George Forest District – Batch 2) Proposed Borrow Pits PBS35 and 5677 A & B		
<b>Remarks:</b>	Appraisal data submission.		

<b>Distribution:</b>			
<b>Name:</b>	<b>Company</b>	<b>Send Type</b>	<b>No. of Copies</b>
Katherine Sherriff	Coastal GasLink	Email	1
Joey Reimann	Coastal GasLink	Email	1
RNIREV	MFLNRO	Email	1

<b>Item</b>	<b>Document Number</b>	<b>Rev</b>	<b>Title</b>	<b>Response Code</b>
1	CGE4703-GEOT-FLNRO-REG-LTR-000-2016-02-04-PGBatch2_PostCon	0	Cover Letter	IFU
2	CGE4703-GEOT-ENV-APP-115-A-GEOTECH-BATCH2-POSTCON-DPG-ISRR	0	Interior Rate Request	IFU
3	CGE4703-GEOT-REG-DS-001-PGBatch2_BillableVol	0	Billable volume summary	IFU

Please acknowledge receipt by promptly signing, dating, and returning to Company Document Control via email.

<b>Received By:</b>		<b>Date:</b>
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Response Code Legend:

IFA - Issued for Approval	IFI - Issued for Information
IFR - Issued For Review	IFU - Issued for Use
IFC - Issued For Construction	IFB - Issued For Bid
IFD - Issued for Design	IAB - Issued As-Built

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Billing Home

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Harvest Billing System

Ministry of Forests

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Queries

Scale Returns

Stratum Advisor

Rating

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About

Screen: P052

Logged in as: IDIR\GPAUL

You are here: Home > Scale Return Menu > Search for Scale Returns > View Volume Estimate Submitted Return - Other

Volume Estimate Submitted Return - Other

• Help

SDN: 68082495

State: Original In Progress

Version No: 1

Status: Ready

Version Information

Scaler Licence: G001

Timber Mark: MTB054

Return Number: 0102

Bill To:

Scale Site: 4A1

Copy To:

Scale Date: 2016-Jan-31

Log Count: 10

Batch Slip Id:

Comment: MLTC Coastal GasLink Pipeline using alternate method of scale.

Segregations

Notations

Change Log

Transaction

Txn Seq	DR/CR	Txn Type	Override	Rate Date	Date Sent	Invoice Number	Issue Date	Volume	Value
1	DR	ORG							

Hold

Discard

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MINISTRY OF FORESTS



Billed.

Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB054

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BA		1	23.84	3.15		26.99		26.99
BA		2	23.84	3.15		26.99		26.99
CE		1	23.84	3.15		26.99		26.99
CE		2	23.84	3.15		26.99		26.99
FI		1	23.84	3.15		26.99		26.99
FI		2	23.84	3.15		26.99		26.99
HE		1	23.84	3.15		26.99		26.99
HE		2	23.84	3.15		26.99		26.99
LA		1	23.84	3.15		26.99		26.99
LA		2	23.84	3.15		26.99		26.99
LO		1	23.84	3.15		26.99		26.99
LO		2	23.84	3.15		26.99		26.99
SP		1	23.84	3.15		26.99		26.99
SP		2	23.84	3.15		26.99		26.99

## PRINCE GEORGE FOREST DISTRICT HBS/VRI DATA

### HARVEST BILLING SYSTEM DATA SUMMARY

Species	Volume by Grade (m³)					Total Volume (m³)	Percentage by Grade					Sawlog Percentage	Off Grade Percentage
	1	2	4	6	Z		1	2	4	6	Z		
Balsam	105221.9	320224.235	232766.958	6705.717	1898.854	666817.65	15.78%	48.02%	34.91%	1.01%	0.28%	63.80%	36.20%
Cedar	208.234	2587.761	8324.785	49.743	281.002	11451.525	1.82%	22.60%	72.70%	0.43%	2.45%	24.42%	75.58%
Fir	30903.63	28617.754	3756.782	124.329	45.065	63447.558	48.71%	45.10%	5.92%	0.20%	0.07%	93.81%	6.19%
Hemlock	865.821	6083.976	9047.244	150.804	0.42	16148.265	5.36%	37.68%	56.03%	0.93%	0.00%	43.04%	56.96%
Larch	7.035	-0.277	0.057	0	0	6.815	103.23%	-4.06%	0.84%	0.00%	0.00%	99.16%	0.84%
Lodge-Pine	5557.02	103306.461	385154.561	569.089	2510.386	497097.517	1.12%	20.78%	77.48%	0.11%	0.51%	21.90%	78.10%
Spruce	634253	763828.002	230134.564	5894.42	1817.965	1635927.965	38.77%	46.69%	14.07%	0.36%	0.11%	85.46%	14.54%
Aspen	101.243	2284.706	4434.379	20.039	28.133	6868.5	1.47%	33.26%	64.56%	0.29%	0.41%	34.74%	65.26%
Birch	0.705	724.323	1715.304	3.567	0.234	2444.133	0.03%	29.64%	70.18%	0.15%	0.01%	29.66%	70.34%
Cottonwood	127.973	630.504	283.799	0.153	0	1042.429	12.28%	60.48%	27.22%	0.01%	0.00%	72.76%	27.24%
Alder	0	0.068	0	0	0	0.068	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Rejects	0	0	0	0	2785.657	2785.657	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
White Bark Pine	0	16.264	0	0	0	16.264	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
White Pine	38.84	55.039	-2.392	-1.035	0	90.452	42.94%	60.85%	-2.64%	-1.14%	0.00%	103.79%	-3.79%


### Final Billable Volumes

#### BILLABLE VOLUME SUMMARY

Species	Volume by Grade (m³)					Sawlog Volume (m³)	Off Grade Volume (m³)	Total Volume (m³)
	1	2	4	6	Z			
Balsam	4.87	14.81	10.77	0.31	0.09	19.68	11.17	30.85
Cedar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hemlock	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Larch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lodge-Pine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spruce	8.39	10.10	3.04	0.08	0.02	18.49	3.15	21.64
Aspen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Birch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cottonwood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alder	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
						38.18	14.31	52.49

#### ADMINISTRATION

Project	Coastal GasLink Pipeline Project
Site ID	Geotechnical Investigation Program Prince George Forest District Proposed Borrow Pits PBS35 and 5677 A & B
OGC File No	9641148
EPASS #	10055092
MLTC	M02341
Cutting Permit	11
Timber Mark	MTB 054
HBS Query Range	January 2015 to Decemeber 2015
Submitted By	Matthew Pilszek, RFT

Interior Stumpage Rate Request Form					
REFER TO ATTACHED PROCEDURES DOCUMENT WHEN COMPLETING THIS FORM					
Licensee	Coastal GasLink Pipeline Ltd.	License/Cutting Permit	M02341 CP11	Timber Mark	MTB 054
Forest District	DPG	Forest Zone	NC	Timber Supply Area	24 <i>Prince George</i>
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2015/10/20 - 2020/08/31		Area (ha)
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates	
Non-adjusting - redetermined annually					
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 52.49 m <sup>3</sup>		
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume 0.00 m <sup>3</sup>		
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>	In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated License	<input type="checkbox"/>	Silviculture (refer to attached procedures)		
6.4.2	Salvage Cutting Authorities - Licences with an AAC		Silviculture Responsibility:		
6.4.2.1	Blanket Salvage Cutting Authorities (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>		
6.4.2.2	Cruise Based Salvage Cutting Authorities - June 1 Table 6-6 and required Cruise Based Salvage Cutting Authority Calculation Page 3 (attached)	<input type="checkbox"/>	Apply Silviculture Levy -		
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>		
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>		
Fixed for term and all extensions					
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)		
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume				
6.2(1)	Average Sawlog Stumpage Rate - Table 6-1	<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>		
6.2(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>		
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Apply bonus bid:		
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>		
	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)	<input type="checkbox"/>	Authority		
(1) (c)	Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	License Representative Matthew J Pilszek, RFT		
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Signature and Seal (if applicable) RFT # 1954 <i>Matthew Pilszek</i>		
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Date January 29, 2016		
6.4.1	Salvage Cutting Authorities-Licences without an AAC				
	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/>	<input type="checkbox"/>	District Review Officer		
	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>	Signature		
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>		
	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Date		
	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Regional Revenue Section Employee		
6.6	Miscellaneous Stumpage Rates - Table 6-7 Species: Product:	<input type="checkbox"/>	Signature <i>Maie Paul</i>		
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>	Date Feb 15/16		
Comments					
This rate request has been developed for the Proposed Borrow Pits PBS 35 and 5677A & B. The timber volume for this rate request has been estimated through a query of the BC VRI database and the alternative method of scaled identified for the Coastal GasLink Pipeline Project (ref: 213604). The Coastal GasLink document number for this rate request is CGE4703-GEOT-ENV-APP-115-A-GEOTECH-BATCH2-DPG-ISRR.					

### Interior Stumpage Rate Request Form Procedures

Revised April 15, 2015

*area based = FTA = yes*

**Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	23.54	Lillooet	3.79
		Merritt	25.93
Coast Mountain (excluding North Coast Timber Supply Area)	3.93	Cascadia Blks 9,10,11	2.16
		Kalum	2.16
		Nass	6.30
		Pacific Bks 28A,28B	2.16
Nadina	15.62	Lakes	22.41
		Morice	14.60
Peace	8.40	Dawson Creek	7.03
		Fort St John	9.29
Prince George	23.84	Robson Valley	13.98
Quesnel	20.37	Cascadia Bks 5,6,7,8	20.37
		Quesnel	20.37
Rocky Mountain	16.51	Cranbrook	17.54
		Invermere	15.79
Selkirk	19.59	Arrow	20.52
		Boundary	20.70
		Cascadia Blks 1,2,3	20.52
		Cascadia Blk. 4	15.41
		Golden	19.97
		Kootenay Lake	18.79
		Revelstoke	15.41
Skeena Stikine	12.37	Bulkley	15.32
		Cassiar	3.58
		Kispiox	12.52

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	24.27	Fort St. James	25.30
		Vanderhoof	8.28
Williams Lake	22.27	Cariboo Chilcotin	22.27
		Williams Lake TSA Blocks, A, B, C, D, E & I	5.57

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	8.40*
Mackenzie	Mackenzie	20.95
Okanagan Shuswap	Okanagan	19.83
Thompson Rivers	Kamloops	20.40
100 Mile House	100 Mile House	11.95

\*Regional rate

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	16.19	Northeast	8.40
		Omenica	23.15
		Skeena	11.14
South	19.73	Cariboo	19.30
		Kootenay Boundary	18.44
		Thompson-Okanagan	20.85

23.84.  
315  
26.99.



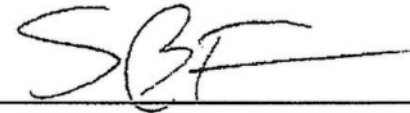
INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: October 1, 2015

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	2.80	1.78	3.00	1.90		3.22	3.30			3.15
South	5.21	5.76	5.02	5.78	5.33	4.57	4.81	5.49	5.07	4.18

Timber Pricing Branch

Verified by: \_\_\_\_\_



· Application Home

· Help

## Forest Tenure Administration (FTA)

[Search](#)
[Inbox](#)
[Tenures](#)
[Private Marks](#)
[Recreation](#)
[Admin](#)

- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	<input type="text" value="MTB054"/>
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

 Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

Client		File		Timber		Salvage	Mark		
District Name	Number	Type	ID	CP	Mark	Type	Certificate	Status	Issue Date
DPG COASTAL GASLINK PIPELINE LTD.	00166165 00	A11	M02341	11	MTB054		HI		2015-10-20
									2020-08-31

Details



January 22, 2016

**Ministry of Forests, Lands and Natural Resource Operations**  
2000 South Ospika Blvd.  
Prince George, BC, V2N 4W5  
[RNIREVShortForms@gov.bc.ca](mailto:RNIREVShortForms@gov.bc.ca)

TransCanada PipeLines Limited  
450 – 1<sup>st</sup> Street S.W.  
Calgary, AB, Canada T2P 5H1

Tel: 403-920-8134  
Fax: 403-920-2371  
Email: [katherine\\_sheriff@transcanada.com](mailto:katherine_sheriff@transcanada.com)  
Web: [www.transcanada.com](http://www.transcanada.com)

**CGE4703-GEOT-MFLNRO-REG-  
LTR-001-2016-02-05**

Re: COASTAL GASLINK PIPELINE LTD.  
OGC Permit # 9641148 (Prince George Forest District – Batch 2)  
Proposed Borrow Pits PBS35 and 5677 A & B

---

Dear Sir or Madam:

Geoterra Integrated Resource Systems Ltd. on behalf of Coastal GasLink Pipeline Ltd. would like to submit the billable volume summary for the following:

OGC # 9641148 (Prince George Forest District – Batch 2)  
Geotechnical Investigation Program Prince George Forest District  
Proposed Borrow Pit PBS35 within Units 61 & 71 Block F 93-J-16; and  
Proposed Borrow Pit 5677 A & B within Units 80 & 90 Block G 93-J-10  
MLTC # M02341  
Cutting Permit # 11  
Timber Mark # MTB 054

The final billable volume was determined utilizing the alternative method of scale identified for the Coastal GasLink Pipeline Project. (Ref: 213604)

Please find enclosed the following documents:

- Billable Volume Summary
- Transmittal Letter

If you have any questions or require further information, please contact me at (250) 233-8797 or [matt.pilszek@geoterra.net](mailto:matt.pilszek@geoterra.net).

Sincerely,

Matthew Pilszek, RFT  
Sr. Project Manager  
Geoterra Integrated Resource Systems Ltd.

On behalf of

Katherine Sheriff  
Environment and Regulatory Permitting  
Coastal GasLink Pipeline Project

Page 1 of 1

**Coastal GasLink**  
Pipeline Project

DOCUMENT TRANSMITTAL

<b>Transmittal No:</b>	<b>CGL4703-GEOT-CGP-TR-0658</b>	<b>Date: Feb 5 2016</b>
------------------------	---------------------------------	-------------------------

<b>To:</b>	<b>Ministry of Forests, Lands and Natural Resource Operations</b> 2000 South Ospika Blvd. Prince George, BC, V2N 4W5	<b>From:</b>	Geoterra IRS 1301 Kelliher Rd, Prince George, BC, V2L 5S8 250-640-2974
<b>Attn:</b>	MFLNRO	<b>Prepared by:</b>	Matt Pilszek
<b>Email Address:</b>	<a href="mailto:RNIREVShortForms@gov.bc.ca">RNIREVShortForms@gov.bc.ca</a>	<b>Email Address:</b>	<a href="mailto:Matt.pilszek@geoterra.net">Matt.pilszek@geoterra.net</a>
<b>Subject:</b>	COASTAL GASLINK PIPELINE LTD. OGC Permit # 9641148 (Prince George Forest District – Batch 2) Proposed Borrow Pits PBS35 and 5677 A & B		
<b>Remarks:</b>	Appraisal data submission.		

<b>Distribution:</b>			
<b>Name:</b>	<b>Company</b>	<b>Send Type</b>	<b>No. of Copies</b>
Katherine Sherriff	Coastal GasLink	Email	1
Joey Reimann	Coastal GasLink	Email	1
RNIREV	MFLNRO	Email	1

<b>Item</b>	<b>Document Number</b>	<b>Rev</b>	<b>Title</b>	<b>Response Code</b>
1	CGE4703-GEOT-FLNRO-REG-LTR-000-2016-02-04-PGBatch2_PostCon	0	Cover Letter	IFU
2	CGE4703-GEOT-ENV-APP-115-A-GEOTECH-BATCH2-POSTCON-DPG-ISRR	0	Interior Rate Request	IFU
3	CGE4703-GEOT-REG-DS-001-PGBatch2_BillableVol	0	Billable volume summary	IFU

Please acknowledge receipt by promptly signing, dating, and returning to Company Document Control via email.

<b>Received By:</b>		<b>Date:</b>
---------------------	--	--------------

Response Code Legend:

IFA - Issued for Approval	IFI - Issued for Information
IFR - Issued For Review	IFU - Issued for Use
IFC - Issued For Construction	IFB - Issued For Bid
IFD - Issued for Design	IAB - Issued As-Built

**From:** Matthew Pilszek <matt.pilszek@geoterra.net>  
**Sent:** Friday, February 5, 2016 8:21 AM  
**To:** FLNR RNI REV SHORTFORMS FLNR:EX  
**Subject:** DPG/MTB054  
**Attachments:** CGE4703-GEOT-FLNRO-REG-LTR-000-2016-02-04-PGBatch2\_PostCon.pdf; CGE4703-GEOT-REG-DS-001-PGBatch2\_BillableVol.xlsx; CGL4703-GEOT-CGP-TR-0658.pdf; CGE4703-GEOT-ENV-APP-115-0-GEOTECH-BATCH2-POSTCON-DPG-ISRR.pdf

Hi Please find the attached Interior Stumpage Rate Request and billable volume summary for:

COASTAL GASLINK PIPELINE LTD. OGC Permit # 9641148 (Prince George Forest District – Batch 2) Proposed Borrow Pits PBS35 and 5677 A & B

Attachments include:

1. Cover Letter
2. Transmittal Letter
3. Interior Stumpage Rate Request
4. Billable volume summary, as per the alternative method identified for the project.

Regards,

Matt



Matthew Pilszek | RFT  
Geoterra Integrated Resource Systems Ltd.  
Senior Project Manager  
(t) 250.233.8797  
(c) 250.640.2974  
[www.geoterra.net](http://www.geoterra.net)  
[Matt.Pilszek@geoterra.net](mailto:Matt.Pilszek@geoterra.net)

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Thank you.

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Merci

Ref: 213604

March 26, 2015

**BY EMAIL**

To: Eamon O'Donoghue  
Regional Executive Director  
Skeena Region

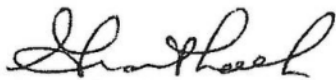
Greg Rawling  
Regional Executive Director  
Omineca Region

Dale Morgan  
Regional Executive Director  
Northeast Region

From: Grant Loeb  
A/Director  
Timber Pricing Branch

**Re: Alternate method of scale approved for section 6.7 of the *Interior Appraisal Manual* for Coastal Gas Link Pipeline Project.**

Pursuant to the authority delegated to me by the minister under section 5 (1)(c) of the *Scaling Regulation* the attached procedure is the alternate method of scale that is approved to estimate the merchantable volume and scale grades for cutting authorities issued for the interior portion of the Coastal Gas Link Pipeline Project, where the stumpage rate will be determined under section 6.7 of the *Interior Appraisal Manual*. This approval is in effect for two years and may be reviewed at any time. Any revisions to this procedure require my approval.



Grant Loeb  
A/Director  
Timber Pricing Branch

Attachment: Alternate method of scale for Section 6.7 of the *Interior Appraisal Manual (IAM)*.

pc: Barry Dobbin, District Manager Coast Mountains Natural Resource District  
Jevan Hanchard, District Manager, Skeena Stikine Natural Resource District  
Josh Pressey, District Manager, Nadina Natural Resource District

Dave Van Dolah, District Manager, Stewart-Nechako Natural Resource District  
John Huybers, District Manager, Prince George Natural Resource District  
David Schwarz, District Manager, Mackenzie Natural Resource District  
Todd Bondaroff, District Manager, Peace Natural Resource District  
Keith Tudor, Manager, Timber Measurements  
Grant Loeb, A/Director, Timber Pricing Branch  
Anthony Giannotti, Revenue Team Leader, Omineca Region  
Brian Cornelis, Scaling and Billing Manager, Omineca Region

Alternate method of scale for Section 6.7 of the Interior Appraisal Manual (IAM).

Estimates of the merchantable volume and the sawlog/low grade breakdown are required in order to apply the tabular stumpage rates from Table 6-3 correctly to timber that will not be removed from the site.

1) Volume:

- a) If the proponent performs a cruise of the cutting authority area in accordance with the requirements of the IAM, the total net merchantable volume will be used from that cruise in this procedure. Otherwise;
- b) Use the most recent VRI volume summary data for smallest unit (District, TSA Region, or Area that the project cutting authority area is located in.
- c) Determine a volume in cubic metres that best approximates the total net coniferous and net deciduous volumes as defined in the IAM for all of the polygons and portions of polygons on Crown land that made up the cutting authority area.
  - i) An Excel spreadsheet and digital file containing the resultant VRI polygon data must be submitted with the Interior Stumpage Rate Request Form for approval. The file must show the total volume calculations.

2) Sawlog - low grade distribution:

- a) Use the harvest billing system history for the smallest unit (District, TSA, Region, or Area) selected under 1(b) that the cutting authority area is located in for the 12-month period ending on the last day of the month prior to the issue date of the cutting authority ("the period").
- b) Determine the total volume billed in the period in cubic metres (the total volume).
- c) Determine the total volume of timber billed for each of the grades (1, 2, 4, and 6) in the period in cubic metres.
- d) Divide the sawlog volume (grades 1 and 2) by the total volume to determine the sawlog fraction.
- e) Divide the low grade volume (grades 4 and 6) by the total volume to determine the low grade fraction.

3) Volume estimate for billing

- a) The VRI polygons and portions of polygons used in calculating proposed volumes in step 1(c) must be updated to reflect actual cleared areas for the total volume used in step 3(b-c).
- b) Multiply the total volume from step 3(a) by the sawlog fraction from step 2(d) to determine the sawlog volume estimate to be used for billing.
- c) Multiply the total volume from step 3(a) by the low grade fraction from step 2(e) to determine the low grade volume estimate to be used for billing.



- d) Any volume removed from the harvest authority area, must be scaled according to the *Scaling Manual* and will be deducted from the final cleared area volume calculation.

4) Billing

- a) The person who determines the stumpage rate will determine the appropriate sawlog stumpage rate under section 6.7 of the IAM.
- b) Omineca Region pricing staff will multiply the stumpage rate by the volume estimate from step 3 to determine the amount of stumpage (\$) to be invoiced.
- c) The stumpage payable may be adjusted as follows:  
$$(\$)\text{invoiced} = (\text{Billed volume}(3b) - \text{scaled volume}(3d)) \times \text{rate (from table 6-3)}$$

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02341 CP12  
**Date:** September 10, 2019 10:33:46 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

---



Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB285

Timber Mark Appraisal Summary

General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-05-27
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	12	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA


Appraisal Effective Date: 2019-06-01

Appraisal Status: Confirmed

Expiry Date: 2020-05-31

Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	45.15			45.15		45.15
BA		2	45.15			45.15		45.15
CE		1	45.15			45.15		45.15
CE		2	45.15			45.15		45.15
FI		1	45.15			45.15		45.15
FI		2	45.15			45.15		45.15
HE		1	45.15			45.15		45.15
HE		2	45.15			45.15		45.15
LA		1	45.15			45.15		45.15
LA		2	45.15			45.15		45.15
LO		1	45.15			45.15		45.15
LO		2	45.15			45.15		45.15
SP		1	45.15			45.15		45.15
SP		2	45.15			45.15		45.15
WH		1	45.15			45.15		45.15
WH		2	45.15			45.15		45.15
YE		1	45.15			45.15		45.15
YE		2	45.15			45.15		45.15

Interior Stumpage Rate Request Form						
Licensee	Coastal GasLink	Licence/Cutting Permit	M02341 12	Timber Mark	MTB285	
Forest District	DPG	Forest Zone	North Central	Timber Supply Area	24	
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2015-05-27	Area (ha)	175.3	
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 29900 m <sup>3</sup>			
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume: 300 m <sup>3</sup>			
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>				
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence	<input type="checkbox"/>	Silviculture (refer to attached procedures)			
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Silviculture Responsibility:			
(4)	≥ 80% Burnt - June 1 Table 6-4a	<input type="checkbox"/>				
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input type="checkbox"/>			
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Apply Silviculture Levy -			
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
Silviculture Levy: \$ per m <sup>3</sup>						
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)			
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume					
(1)	Average Sawlog Stumpage Rate Table 6-1	<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>			
(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>			
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Apply bonus bid:			
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Authority			
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Licence Representative Aaron Weaver			
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Signature and Seal (if applicable) RPF#4321			
6.4.1	Salvage Cutting Authorities-Licences without an AAC		Date 2019-08-08			
(5) (i)	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> ≥ 80% Burnt Table 6-4a	<input type="checkbox"/>	District Review Officer			
6.4.4	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	<input type="checkbox"/>	Signature			
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>			
	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Date			
	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Regional Revenue Section Employee			
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:	<input type="checkbox"/>	Signature			
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>	Date			
Comments						
The volume estimate for this rate request has been derived by a query from the BC VRI data. This rate request pertains to the Coastal GasLink Project - Pipeline Permit (Section 2) for the areas of the permit within the Prince George Natural Resource District.						

Application Home
Help

Forest Tenure Administration (FTA)

Search
Inbox
Tenures
Private Marks
Recreation
Admin

- Valid timber mark provided. All other search criteria ignored.

### FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.  
You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District: 
File ID: 
File Type: 
Client Number: 
Client Type: 
Issue Date From:  To: 
Salvage Type:

Mgmt Unit: 
CP:  Timber Mark:  MTB285
Mark Status: 
Client Name: 
Expiry Date From:  To: 
Zone:

#### Private Mark Criteria

Certificate:  ☐ Only Private Marks
Land District:  Primary ID: 
Primary Detail:

Sort By: ☒ District ☐ Client Name ☐ File Type

1 row returned

Client		File		Mark					
District	Name	Number	Type ID	Timber CP	Salvage Mark Type	Certificate	Status	Issue Date	Expiry Date
DPG	COASTAL GASLINK PIPELINE LTD.	0016616500	A11 M02341 12	MTB285		HI		2015-05-27	2020-08-31

Details

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
<b>North Area</b>	<b>29.15</b>	<b>South Area</b>	<b>32.80</b>
<b>Northeast Region</b>	17.47	<b>Cariboo Region</b>	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
<b>Omineca Region</b>	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	<b>Kootenay/Boundary Region</b>	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
<b>Skeena Region</b>	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	<b>Thompson/Okanagan Region</b>	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02341 CP15  
**Date:** September 10, 2019 10:55:37 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB382

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-08-28
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	15	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2019-06-01

Appraisal Status: Confirmed

Expiry Date: 2020-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	44.14			44.14		44.14
BA		2	44.14			44.14		44.14
CE		1	44.14			44.14		44.14
CE		2	44.14			44.14		44.14
FI		1	44.14			44.14		44.14
FI		2	44.14			44.14		44.14
HE		1	44.14			44.14		44.14
HE		2	44.14			44.14		44.14
LA		1	44.14			44.14		44.14
LA		2	44.14			44.14		44.14
LO		1	44.14			44.14		44.14
LO		2	44.14			44.14		44.14
SP		1	44.14			44.14		44.14
SP		2	44.14			44.14		44.14

Appraisal Effective Date: 2018-06-01

Appraisal Status: Confirmed

Expiry Date: 2019-05-31

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
<b>North Area</b>	<b>29.15</b>	<b>South Area</b>	<b>32.80</b>
<b>Northeast Region</b>	<b>17.47</b>	<b>Cariboo Region</b>	<b>32.85</b>
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
<b>Omineca Region</b>	<b>35.44</b>	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	<b>Kootenay/Boundary Region</b>	<b>31.75</b>
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
<b>Skeena Region</b>	<b>23.74</b>	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	<b>Thompson/Okanagan Region</b>	<b>33.46</b>
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

39.93  
4.21  
44.14

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF

M02341/15

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North Coast Timber Supply Area)	0.43	Cascadia Blks 9,10,11	0.25
		Kalum	0.25
		Nass	0.26
		Pacific Blks 28A,28B	0.25
Nadina	22.88	Lakes	22.81
		Morice	22.89
Peace	8.20	Dawson Creek	9.29
		Fort St John	6.53
Prince George	29.42	Robson Valley	6.42
Quesnel	26.90	Cascadia Blks 5,6,7,8	26.90
		Quesnel	26.90
Rocky Mountain	21.98	Cranbrook	23.68
		Invermere	17.13
Selkirk	20.12	Arrow	18.75
		Boundary	23.41
		Cascadia Blks 1,2,3	18.75
		Cascadia Blk. 4	5.41
		Golden	22.45
		Kootenay Lake	24.39
		Revelstoke	5.41
Skeena Stikine	14.69	Bulkley	15.16
		Cassiar	0.49
		Kispiox	14.29

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	29.89	Fort St. James	29.17
		Vanderhoof	20.95
Williams Lake	27.90	Cariboo Chilcotin	27.78
		Williams Lake TSA Blks, A, B, C, D, E & I	12.95

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	6.53
Mackenzie	Mackenzie	24.60
Okanagan Shuswap	Okanagan	22.57
Thompson Rivers	Kamloops	22.63
100 Mile House	100 Mile House	31.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	21.03	Northeast	8.20
		Omineca	28.02
		Skeena	15.65
South	23.34	Cariboo	28.38
		Kootenay Boundary	20.81
		Thompson-Okanagan	22.91

MTB382  
\$33.31

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2018

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25			3.89
South	4.82	6.14	5.34	6.14	5.56	4.04	4.49	5.96	5.33	4.72

Timber Pricing Branch

Verified by:

SBF



## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB382

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-08-28
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	15	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2017-06-01

Appraisal Status: Confirmed

Expiry Date: 2018-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	26.33			26.33		26.33
BA		2	26.33			26.33		26.33
CE		1	26.33			26.33		26.33
CE		2	26.33			26.33		26.33
FI		1	26.33			26.33		26.33
FI		2	26.33			26.33		26.33
HE		1	26.33			26.33		26.33
HE		2	26.33			26.33		26.33
LA		1	26.33			26.33		26.33
LA		2	26.33			26.33		26.33
LO		1	26.33			26.33		26.33
LO		2	26.33			26.33		26.33
SP		1	26.33			26.33		26.33
SP		2	26.33			26.33		26.33

Appraisal Effective Date: 2016-06-01

Appraisal Status: Confirmed

Expiry Date: 2017-05-31

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	20.26	Lillooet	1.97
		Merritt	23.61
Coast Mountain (excluding North Coast Timber Supply Area)	0.47	Cascadia Blks 9,10,11	0.35
		Kalum	0.35
		Nass	0.25
		Pacific Blks 28A,28B	0.35
Nadina	13.15	Lakes	10.13
		Morice	13.37
Peace	5.11	Dawson Creek	5.95
		Fort St John	4.14
Prince George	22.63	Robson Valley	5.19
Quesnel	20.40	Cascadia Blks 5,6,7,8	20.40
		Quesnel	20.40
Rocky Mountain	19.30	Cranbrook	21.57
		Invermere	17.03
Selkirk	16.84	Arrow	18.21
		Boundary	18.43
		Cascadia Blks 1,2,3	18.21
		Cascadia Blk. 4	10.13
		Golden	13.63
		Kootenay Lake	17.91
		Revelstoke	10.13
Skeena Stikine	10.48	Bulkley	13.23
		Cassiar	0.29
		Kispiox	14.40

22.63  
370  
26.33.

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	23.13	Fort St. James	22.36
		Vanderhoof	20.36
Williams Lake	25.48	Cariboo Chilcotin	25.48
		Williams Lake TSA Blks, A, B, C, D, E & I	4.17

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	4.14
Mackenzie	Mackenzie	12.19
Okanagan Shuswap	Okanagan	20.21
Thompson Rivers	Kamloops	19.86
100 Mile House	100 Mile House	24.75

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	14.83	Northeast	5.11
		Omenica	20.60
		Skeena	9.38
South	19.64	Cariboo	23.06
		Kootenay Boundary	17.62
		Thompson-Okanagan	20.12

# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

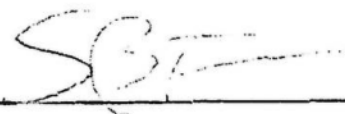
EFFECTIVE: April 1, 2017

## Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.46	1.76	3.16	1.96		3.67	3.99			3.70
South	4.71	6.50	5.25	6.42	5.54	4.05	4.38	6.47	3.45	4.59

Timber Pricing Branch

Verified by: \_\_\_\_\_







Timber Mark: MTB382

## Timber Mark Appraisal Summary

## General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-08-28
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	15	Forest District:	Prince George Natural Resource [
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut Sec 4
		TSATFL:	24 - Prince George TSA

Appraisal Effective Date: 2016-06-01

Appraisal Status: Confirmed

Expiry Date: 2017-05-31

## Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	27.05			27.05		27.05
BA		2	27.05			27.05		27.05
CE		1	27.05			27.05		27.05
CE		2	27.05			27.05		27.05
FI		1	27.05			27.05		27.05
FI		2	27.05			27.05		27.05
HE		1	27.05			27.05		27.05
HE		2	27.05			27.05		27.05
LA		1	27.05			27.05		27.05
LA		2	27.05			27.05		27.05
LO		1	27.05			27.05		27.05
LO		2	27.05			27.05		27.05
SP		1	27.05			27.05		27.05
SP		2	27.05			27.05		27.05

**Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	21.76	Lillooet	8.49
		Merritt	23.92
Coast Mountain (excluding North Coast Timber Supply Area)	4.24	Cascadia Blks 9,10,11	3.76
		Kalum	3.76
		Nass	4.67
		Pacific Bks 28A,28B	3.76
Nadina	14.23	Lakes	12.35
		Morice	14.48
Peace	8.94	Dawson Creek	7.98
		Fort St John	10.02
Prince George	23.76	Robson Valley	13.39
Quesnel	21.25	Cascadia Bks 5,6,7,8	21.25
		Quesnel	21.25
Rocky Mountain	17.15	Cranbrook	16.24
		Invermere	17.69
Selkirk	20.69	Arrow	22.56
		Boundary	24.40
		Cascadia Blks 1,2,3	22.56
		Cascadia Blk. 4	19.66
		Golden	16.18
		Kootenay Lake	17.60
		Revelstoke	19.66
		Bulkley	11.25
Skeena Stikine	11.05	Cassiar	1.35
		Kispiox	14.78

MTB382

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	23.88	Fort St. James	20.45
		Vanderhoof	15.90
		Cariboo Chilcotin	17.60
Williams Lake	17.60	Williams Lake TSA	13.61
		Blocks, A, B, C, D, E & I	13.61

\$23.76  
3.29

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	8.94*
Mackenzie	Mackenzie	17.06
Okanagan Shuswap	Okanagan	22.00
Thompson Rivers	Kamloops	23.16
100 Mile House	100 Mile House	17.26

\*Regional rate

\$27.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	15.98	Northeast	8.94
		Omenica	21.33
		Skeena	11.45
South	20.84	Cariboo	19.11
		Kootenay Boundary	19.52
		Thompson-Okanagan	22.23

# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

EFFECTIVE: April 1, 2016

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	2.92	1.80	3.04	1.97		3.35	3.44			3.29
South	5.21	5.88	5.20	5.88	5.41	4.67	4.86	5.64	5.18	4.29

Timber Pricing Branch

Verified by: SBF

Logged in as: IDIR\GPAUL

You are here: Home &gt; Scale Return Menu &gt; Search for Scale Returns &gt; View Volume Estimate Submitted Return - Other

## Volume Estimate Submitted Return - Other

[Help](#)**SDN: 68082496    State: Original In Progress    Version No: 1    Status: Ready****Version Information**

**Scaler Licence:** 811A                      **Timber Mark:** MTB382  
**Return Number:** 0103                      **Bill To:**  
**Scale Site:** 41A                              **Copy To:**  
**Scale Date:** 2016-Jan-31                      **Log Count:** 10  
**Batch Slip Id:**  
**Comment:** MLTC Coastal Gas Link Pipeline using alternate method of scale.

[Segregations](#)   [Notations](#)   [Change Log](#)

Transaction									
Txn Seq	DR/CR	Txn Type	Override	Rate Date	Date Sent	Invoice Number	Issue Date	Volume	Value
1	DR	ORG							

[Hold](#)   [Discard](#)   [Print](#)



Timber Mark: MTB382

## Timber Mark Appraisal Summary

### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2015-08-28
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	15	Forest District:	Prince George Natural Resource [
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut Sec 4
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2015-08-28

Appraisal Status: Confirmed

Expiry Date: 2016-05-31

### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	23.84	3.14		26.98		26.98
BA		2	23.84	3.14		26.98		26.98
CE		1	23.84	3.14		26.98		26.98
CE		2	23.84	3.14		26.98		26.98
FI		1	23.84	3.14		26.98		26.98
FI		2	23.84	3.14		26.98		26.98
HE		1	23.84	3.14		26.98		26.98
HE		2	23.84	3.14		26.98		26.98
LA		1	23.84	3.14		26.98		26.98
LA		2	23.84	3.14		26.98		26.98
LO		1	23.84	3.14		26.98		26.98
LO		2	23.84	3.14		26.98		26.98
SP		1	23.84	3.14		26.98		26.98
SP		2	23.84	3.14		26.98		26.98

## PRINCE GEORGE FOREST DISTRICT HBS/VRI DATA

### HARVEST BILLING SYSTEM DATA SUMMARY

Species	Volume by Grade (m³)					Total Volume (m³)	Percentage by Grade					Sawlog Percentage	Off Grade Percentage
	1	2	4	6	Z		1	2	4	6	Z		
Balsam	105221.9	320224.235	232766.958	6705.717	1898.854	666817.65	15.78%	48.02%	34.91%	1.01%	0.28%	63.80%	36.20%
Cedar	208.234	2587.761	8324.785	49.743	281.002	11451.525	1.82%	22.60%	72.70%	0.43%	2.45%	24.42%	75.58%
Fir	30903.63	28617.754	3756.782	124.329	45.065	63447.558	48.71%	45.10%	5.92%	0.20%	0.07%	93.81%	6.19%
Hemlock	865.821	6083.976	9047.244	150.804	0.42	16148.265	5.36%	37.68%	56.03%	0.93%	0.00%	43.04%	56.96%
Larch	7.035	-0.277	0.057	0	0	6.815	103.23%	-4.06%	0.84%	0.00%	0.00%	99.16%	0.84%
Lodge-Pine	5557.02	103306.461	385154.561	569.089	2510.386	497097.517	1.12%	20.78%	77.48%	0.11%	0.51%	21.90%	78.10%
Spruce	634253	763828.002	230134.564	5894.42	1817.965	1635927.965	38.77%	46.69%	14.07%	0.36%	0.11%	85.46%	14.54%
Aspen	101.243	2284.706	4434.379	20.039	28.133	6868.5	1.47%	33.26%	64.56%	0.29%	0.41%	34.74%	65.26%
Birch	0.705	724.323	1715.304	3.567	0.234	2444.133	0.03%	29.64%	70.18%	0.15%	0.01%	29.66%	70.34%
Cottonwood	127.973	630.504	283.799	0.153	0	1042.429	12.28%	60.48%	27.22%	0.01%	0.00%	72.76%	27.24%
Alder	0	0.068	0	0	0	0.068	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Rejects	0	0	0	0	2785.657	2785.657	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
White Bark Pine	0	16.264	0	0	0	16.264	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
White Pine	38.84	55.039	-2.392	-1.035	0	90.452	42.94%	60.85%	-2.64%	-1.14%	0.00%	103.79%	-3.79%

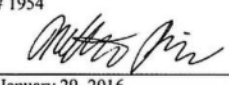
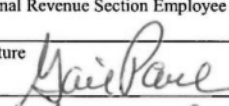
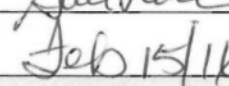
### Final Billable Volumes

#### BILLABLE VOLUME SUMMARY

Species	Volume by Grade (m³)					Sawlog Volume (m³)	Off Grade Volume (m³)	Total Volume (m³)
	1	2	4	6	Z			
Balsam	10.10	30.72	22.33	0.64	0.18	40.82	23.16	63.98
Cedar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hemlock	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Larch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lodge-Pine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spruce	4.44	5.35	1.61	0.04	0.01	9.78	1.66	11.45
Aspen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Birch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cottonwood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alder	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
						50.60	24.82	75.42

#### ADMINISTRATION

Project	Coastal GasLink Pipeline Project
Site ID	Geotechnical Investigation Program Prince George Forest District Proposed Borrow Pit 5845 A & B
OGC File No	9642174
EPASS #	10055091
MLTC	M02341
Cutting Permit	15
Timber Mark	MTB 382
HBS Query Range	January 2015 to December 2015
Submitted By	Matthew Pilsek, RFT

Interior Stumpage Rate Request Form					
REFER TO ATTACHED PROCEDURES DOCUMENT WHEN COMPLETING THIS FORM					
Licensee	Coastal GasLink Pipeline Ltd.	License/Cutting Permit	M02341 CP 15	Timber Mark	MTB 382
Forest District	DPG	Forest Zone	NC	Timber Supply Area	24 (Prince George)
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2015/08/28 - 2020/08/31	Area (ha)	0.45
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates	
<b>Non-adjusting - redetermined annually</b>					
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 75.42 m <sup>3</sup>		
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume: 0.00 m <sup>3</sup>		
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>	In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated License	<input type="checkbox"/>	<b>Silviculture (refer to attached procedures)</b>		
6.4.2	Salvage Cutting Authorities - Licences with an AAC		Silviculture Responsibility:		
6.4.2.1	Blanket Salvage Cutting Authorities (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>		
6.4.2.2	Cruise Based Salvage Cutting Authorities - June 1 Table 6-6 and required Cruise Based Salvage Cutting Authority Calculation Page 3 (attached)	<input type="checkbox"/>	Apply Silviculture Levy -		
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>		
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>		
<b>Fixed for term and all extensions</b>					
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	<b>Bonus Section (attach signed Tender form)</b>		
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume		Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>		
6.2(1)	Average Sawlog Stumpage Rate - Table 6-1	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>		
6.2(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Apply bonus bid:		
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>		
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	<b>Authority</b>		
	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)	<input type="checkbox"/>	License Representative Matthew J Pilszek, RFT		
(1) (c)	Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection		Signature and Seal (if applicable) RFT # 1954		
	(i) Table 6-1 rates	<input type="checkbox"/>			
	(ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>			
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Date January 29, 2016		
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>			
6.4.1	Salvage Cutting Authorities-Licences without an AAC		District Review Officer		
	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Signature		
	Clearcut ≤5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/>		Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>		
	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>	Date		
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Regional Revenue Section Employee		
	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Signature		
	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Date		
6.6	Miscellaneous Stumpage Rates - Table 6-7	<input type="checkbox"/>			
	Species: Product:		Date		
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>			
<b>Comments</b>					
This rate request has been developed for the Proposed Borrow Pit 5845 A & B. The timber volume for this rate request has been estimated through a query of the BC VRI database and the alternative method of scaled identified for the Coastal GasLink Pipeline Project (ref: 213604). The Coastal GasLink document number for this rate request is CGE4703-GEOT-ENV-APP-116-A-GEOTECH-BATCH3-POSTCON-DPG-ISRR..					

#### Interior Stumpage Rate Request Form Procedures

Revised April 15, 2015

area based - yes = FTA.

**Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	23.54	Lillooet	3.79
		Merritt	25.93
Coast Mountain (excluding North Coast Timber Supply Area)	3.93	Cascadia Blks 9,10,11	2.16
		Kalum	2.16
		Nass	6.30
		Pacific Bks 28A,28B	2.16
Nadina	15.62	Lakes	22.41
		Morice	14.60
Peace	8.40	Dawson Creek	7.03
		Fort St John	9.29
Prince George	23.84	Robson Valley	13.98
Quesnel	20.37	Cascadia Bks 5,6,7,8	20.37
		Quesnel	20.37
Rocky Mountain	16.51	Cranbrook	17.54
		Invermere	15.79
Selkirk	19.59	Arrow	20.52
		Boundary	20.70
		Cascadia Blks 1,2,3	20.52
		Cascadia Blk. 4	15.41
		Golden	19.97
		Kootenay Lake	18.79
		Revelstoke	15.41
Skeena Stikine	12.37	Bulkley	15.32
		Cassiar	3.58
		Kispiox	12.52

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	24.27	Fort St. James	25.30
		Vanderhoof	8.28
Williams Lake	22.27	Cariboo Chilcotin	22.27
		Williams Lake TSA Blocks, A, B, C, D, E & I	5.57

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	8.40*
Mackenzie	Mackenzie	20.95
Okanagan Shuswap	Okanagan	19.83
Thompson Rivers	Kamloops	20.40
100 Mile House	100 Mile House	11.95

\*Regional rate

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	16.19	Northeast	8.40
		Omenica	23.15
		Skeena	11.14
South	19.73	Cariboo	19.30
		Kootenay Boundary	18.44
		Thompson-Okanagan	20.85

23.84.  
3.14  
-----  
26.98



# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

EFFECTIVE: July 1, 2015

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	2.82	1.60	2.95	1.97		3.20	3.29			3.14
South	5.15	5.73	4.83	5.78	5.29	4.53	4.78	5.41	5.03	4.13

Timber Pricing Branch

Verified by: SBF

Application Home
Help

Forest Tenure Administration (FTA)

Search
Inbox
Tenures
Private Marks
Recreation
Admin

- Valid timber mark provided. All other search criteria ignored.

### FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.  
You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:
File ID:
File Type:
Client Number:
Client Type:
Issue Date From:
Salvage Type:

Mgmt Unit:
CP:
Mark Status:
Client Name:
Expiry Date From:
Zone:

Timber Mark: MTB382

Private Mark Criteria

Certificate:
Land District:
Primary Detail:

☐ Only Private Marks

Primary ID:

Sort By:
☒ District
☐ Client Name
☐ File Type

Search
Clear

1 row returned

Client		File		Timber		Salvage		Mark	
District Name	Number	Type	ID	CP	Mark	Type	Certificate	Status	Issue Date
DPG COASTAL GASLINK PIPELINE LTD.	00166165 00	A11	M02341 15	MTB382			HI		2015-08-28 2020-08-31

Details

DOCUMENT TRANSMITTAL

<b>Transmittal No:</b>	<b>CGL4703-GEOT-CGP-TR-0659</b>	<b>Date:</b> Feb 5 2016
------------------------	---------------------------------	-------------------------

<b>To:</b>	<b>Ministry of Forests, Lands and Natural Resource Operations</b> 2000 South Ospika Blvd. Prince George, BC, V2N 4W5	<b>From:</b>	Geoterra IRS 1301 Kelliher Rd, Prince George, BC, V2L 5S8 250-640-2974
<b>Attn:</b>	MFLNRO	<b>Prepared by:</b>	Matt Pilszek
<b>Email Address:</b>	<a href="mailto:RNIREVShortForms@gov.bc.ca">RNIREVShortForms@gov.bc.ca</a>	<b>Email Address:</b>	<a href="mailto:Matt.pilszek@geoterra.net">Matt.pilszek@geoterra.net</a>
<b>Subject:</b>	OGC # 9642174 (Prince George Forest District – Batch 3) Geotechnical Investigation Program Prince George Forest District Proposed Borrow Pit 5845 A & B		
<b>Remarks:</b>	Appraisal data submission.		

Distribution:			
Name:	Company	Send Type	No. of Copies
Katherine Sherriff	Coastal GasLink	Email	1
Joey Reimann	Coastal GasLink	Email	1
RNIREV	MFLNRO	Email	1

Item	Document Number	Rev	Title	Response Code
1	CGE4703-GEOT-FLNRO-REG-LTR-002-2016-02-04-PGBatch2_PostCon	0	Cover Letter	IFU
2	CGE4703-GEOT-ENV-APP-116-0-GEOTECH-BATCH2-POSTCON-DPG-ISRR	0	Interior Rate Request	IFU
3	CGE4703-GEOT-REG-DS-001-PGBatch2_BillableVol	0	Billable volume summary	IFU

Please acknowledge receipt by promptly signing, dating, and returning to Company Document Control via email.

<b>Received By:</b>		<b>Date:</b>
---------------------	--	--------------

Response Code Legend:

IFA - Issued for Approval	IFI - Issued for Information
IFR - Issued For Review	IFU - Issued for Use
IFC - Issued For Construction	IFB - Issued For Bid
IFD - Issued for Design	IAB - Issued As-Built

<b>Transmittal No:</b>	Trans-0659	<b>Date:</b> February 5, 2016
------------------------	------------	-------------------------------

**Response Code Legend:**

IFA - Issued for Approval	IFI - Issued for Information
IFR - Issued For Review	IFU - Issued for Use
IFC - Issued For Construction	IFB - Issued For Bid
IFD - Issued for Design	IAB - Issued As-Built



January 22, 2016

**Ministry of Forests, Lands and Natural Resource Operations**  
2000 South Ospika Blvd.  
Prince George, BC, V2N 4W5  
[RNIREVShortForms@gov.bc.ca](mailto:RNIREVShortForms@gov.bc.ca)

TransCanada PipeLines Limited  
450 – 1<sup>st</sup> Street S.W.  
Calgary, AB, Canada T2P 5H1

Tel: 403-920-8134  
Fax: 403-920-2371  
Email: [katherine\\_sheriff@transcanada.com](mailto:katherine_sheriff@transcanada.com)  
Web: [www.transcanada.com](http://www.transcanada.com)

**CGL4703-GEOT-FLNRO-REG-  
LTR-002-2016-02-05**

Re: COASTAL GASLINK PIPELINE LTD.  
OGC # 9642174 (Prince George Forest District – Batch 3)  
Proposed Borrow Pit 5845 A & B

---

Dear Sir or Madam:

Geoterra Integrated Resource Systems Ltd. on behalf of Coastal GasLink Pipeline Ltd. would like to submit the billable volume summary for the following:

OGC # 9642174 (Prince George Forest District – Batch 3)  
Geotechnical Investigation Program Prince George Forest District Proposed Borrow Pit 5845 A & B within  
Unit 55 Block F 93-J-16  
MLTC # M02341  
Cutting Permit # 15  
Timber Mark # MTB 382

The final billable volume was determined utilizing the alternative method of scale identified for the Coastal GasLink Pipeline Project. (Ref: 213604)

Please find enclosed the following documents:

- Billable Volume Summary
- Transmittal Letter

If you have any questions or require further information, please contact me at (250) 233-8797 or [matt.pilszek@geoterra.net](mailto:matt.pilszek@geoterra.net).

Sincerely,

Matthew Pilszek, RFT  
Senior Project Manager  
Geoterra Integrated Resource Systems Ltd.

On behalf of

Katherine Sheriff  
Environment and Regulatory Permitting  
Coastal GasLink Pipeline Project

Page 1 of 1

**Coastal GasLink**  
Pipeline Project

Paul, I FLNR:EX

---

**From:** Matthew Pilszek <matt.pilszek@geoterra.net>  
**Sent:** Friday, February 5, 2016 9:16 AM  
**To:** FLNR RNI REV SHORTFORMS FLNR:EX  
**Cc:** Giannotti, Anthony G FLNR:EX; kate.seguin@geoterra.net; 'Katherine Sheriff'; 'Joey Reimann'  
**Subject:** DPG/MTB382  
**Attachments:** CGE4703-GEOT-ENV-APP-116-0-GEOTECH-BATCH3-POSTCON-DPG-ISRR.pdf; CGE4703-GEOT-REG-DS-000-PGBatch3\_BillableVol.xlsx; CGL4703-GEOT-CGP-TR-0659.pdf; CGL4703-GEOT-FLNRO-REG-LTR-002-2016-02-05.pdf

Hi Please find the attached Interior Stumpage Rate Request and billable volume summary for:

OGC # 9642174 (Prince George Forest District – Batch 3) Geotechnical Investigation Program Prince George Forest District Proposed Borrow Pit 5845 A & B

Attachments include:

1. Cover Letter
2. Transmittal Letter
3. Interior Stumpage Rate Request
4. Billable volume summary, as per the alternative method identified for the project.

Regards,

Matt



**Matthew Pilszek | RFT**  
Geoterra Integrated Resource Systems Ltd.  
Senior Project Manager  
(t) 250.233.8797  
(c) 250.640.2974  
[www.geoterra.net](http://www.geoterra.net)  
[Matt.Pilszek@geoterra.net](mailto:Matt.Pilszek@geoterra.net)

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Merci

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02341 CP18  
**Date:** September 10, 2019 10:55:33 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

---



## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB708

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2016-08-02
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	18	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2019-06-01


Appraisal Status: Confirmed

Expiry Date: 2020-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	45.15			45.15		45.15
BA		2	45.15			45.15		45.15
CE		1	45.15			45.15		45.15
CE		2	45.15			45.15		45.15
FI		1	45.15			45.15		45.15
FI		2	45.15			45.15		45.15
HE		1	45.15			45.15		45.15
HE		2	45.15			45.15		45.15
LA		1	45.15			45.15		45.15
LA		2	45.15			45.15		45.15
LO		1	45.15			45.15		45.15
LO		2	45.15			45.15		45.15
SP		1	45.15			45.15		45.15
SP		2	45.15			45.15		45.15
WH		1	45.15			45.15		45.15
WH		2	45.15			45.15		45.15
YE		1	45.15			45.15		45.15
YE		2	45.15			45.15		45.15



Interior Stumpage Rate Request Form						
<b>Licensee</b>	Coastal GasLink Ltd.	<b>License/Cutting Permit</b>	M02341 18	<b>Timber Mark</b>	MTB708	
<b>Forest District</b>	DPG	<b>Forest Zone</b>	North Central	<b>Timber Supply Area</b>	24	
<b>Competitive Cutting Authority</b>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Effective/Expiry Date</b>	2016-08-02	<b>Area (ha)</b>	20.95	
<b>IAM Sec.</b>	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 2 m <sup>3</sup>			
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume 2 m <sup>3</sup>			
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>				
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence	<input type="checkbox"/>	Silviculture (refer to attached procedures)			
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Silviculture Responsibility:			
(4)	≥ 80% Burnt - June 1 Table 6-4a	<input type="checkbox"/>				
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>			
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Apply Silviculture Levy - Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>			
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)			
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume		Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>			
(1)	Average Sawlog Stumpage Rate Table 6-1	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>			
(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Apply bonus bid:			
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Authority			
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Licence Representative Aaron Weaver			
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Signature and Seal (if applicable) RPF#4321			
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Date 2019-08-09			
6.4.1	Salvage Cutting Authorities - Licences without an AAC		District Review Officer			
(5) (i)	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> ≥ 80% Burnt Table 6-4a	<input type="checkbox"/>	Signature			
	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>				
6.4.4	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	<input type="checkbox"/>	Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>			
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Date			
	Decked > 3 yrs <input type="checkbox"/> ≤ 3 yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Regional Revenue Section Employee			
	Partially Harvested Timber ≥ 3 yrs <input type="checkbox"/> < 3 yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Signature			
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:	<input type="checkbox"/>	Date			
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>				
<b>Comments</b>						
The timber volume estimate for this rate request was developed through a query of the BC VRI database on. This rate request pertains to the Coastal GasLink Pipeline Project. (Stockpile 7A)						

Application Home

Help

## Forest Tenure Administration (FTA)

[Search](#)
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[Private Marks](#)
[Recreation](#)
[Admin](#)

- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	MTB708
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

Client		File		Mark				
District	Name	Number	Type ID	Timber CP Mark	Salvage Type	Certificate Status	Issue Date	Expiry Date
DPG	COASTAL GASLINK PIPELINE LTD.	0016616500	A11 M02341 18	MTB708		HI	2016-08-02	2020-08-31

[Details](#)

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
<b>North Area</b>	<b>29.15</b>	<b>South Area</b>	<b>32.80</b>
<b>Northeast Region</b>	17.47	<b>Cariboo Region</b>	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
<b>Omineca Region</b>	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	<b>Kootenay/Boundary Region</b>	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
<b>Skeena Region</b>	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	<b>Thompson/Okanagan Region</b>	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02341 CP19  
**Date:** September 10, 2019 10:35:07 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB718

Timber Mark Appraisal Summary

General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2016-09-16
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02341	Mark Extend Date:	
Cutting Permit:	19	Forest District:	Prince George Natural
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	24 - Prince George TSA


Appraisal Effective Date: 2019-06-01

Appraisal Status: Confirmed

Expiry Date: 2020-05-31

Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	45.15			45.15		45.15
BA		2	45.15			45.15		45.15
CE		1	45.15			45.15		45.15
CE		2	45.15			45.15		45.15
FI		1	45.15			45.15		45.15
FI		2	45.15			45.15		45.15
HE		1	45.15			45.15		45.15
HE		2	45.15			45.15		45.15
LA		1	45.15			45.15		45.15
LA		2	45.15			45.15		45.15
LO		1	45.15			45.15		45.15
LO		2	45.15			45.15		45.15
SP		1	45.15			45.15		45.15
SP		2	45.15			45.15		45.15
WH		1	45.15			45.15		45.15
WH		2	45.15			45.15		45.15
YE		1	45.15			45.15		45.15
YE		2	45.15			45.15		45.15

Interior Stumpage Rate Request Form						
Licensee	Coastal GasLink Ltd.	Licence/Cutting Permit	M02341 19	Timber Mark	MTB718	
Forest District	DPG	Forest Zone	North Central	Timber Supply Area	24	
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2016-09-16	Area (ha)	3.28	
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 2 m <sup>3</sup>			
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume 2 m <sup>3</sup>			
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>				
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence	<input type="checkbox"/>	Silviculture (refer to attached procedures)			
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Silviculture Responsibility:			
(4)	≥ 80% Burnt - June 1 Table 6-4a	<input type="checkbox"/>				
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>			
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Apply Silviculture Levy - Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>			
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)			
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume					
(1)	Average Sawlog Stumpage Rate Table 6-1	<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>			
(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>			
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Apply bonus bid:			
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Authority			
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Licence Representative Aaron Weaver			
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Signature and Seal (if applicable) RPF#4321			
6.4.1	Salvage Cutting Authorities-Licences without an AAC Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/>	<input type="checkbox"/>	Date 2019-08-09			
(5) (i)	≥ 80% Burnt Table 6-4a	<input type="checkbox"/>	District Review Officer			
	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>	Signature			
6.4.4	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	<input type="checkbox"/>				
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>			
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:	<input type="checkbox"/>	Date			
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>	Regional Revenue Section Employee Kelli Segin Signature Date Aug. 12/19			
<b>Comments</b>						
The timber volume estimate for this rate request was developed through a query of the BC VRI database. This rate request pertains to the Coastal GasLink Pipeline Project. (Laydown 16)						

Application Home

Help

## Forest Tenure Administration (FTA)

[Search](#)
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- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	MTB718
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

Sort By: ☒ District ☐ Client Name ☐ File Type


1 row returned

<u>Client</u>			<u>File</u>				<u>Mark</u>				
District	Name	Number	Type	ID	CP	Timber Mark	Salvage Type	Certificate	Status	Issue Date	Expiry Date
DPG	COASTAL GASLINK PIPELINE LTD.	0016616500	A11	M02341	19	MTB718			HI	2016-09-16	2020-08-31
											Details



**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
<b>North Area</b>	<b>29.15</b>	<b>South Area</b>	<b>32.80</b>
<b>Northeast Region</b>	17.47	<b>Cariboo Region</b>	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
<b>Omineca Region</b>	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	<b>Kootenay/Boundary Region</b>	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
<b>Skeena Region</b>	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	<b>Thompson/Okanagan Region</b>	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: \_\_\_\_\_

*SBF*

**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02342 CP3  
**Date:** September 10, 2019 10:55:45 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

---

Timber Mark: MTA716

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2014-08-15
Client Number:	00166165	Mark Expiry Date:	2016-08-14
License:	M02342	Mark Extend Date:	
Cutting Permit:	3	Forest District:	Vanderhoof Natural Resource Dist
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut Sec 4
		TSA/TFL:	24 - Prince George TSA

Appraisal Effective Date: 2015-05-12


Appraisal Status: Confirmed

Expiry Date: 2016-05-11

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	14.61			14.61		14.61
BA		2	14.61			14.61		14.61
CE		1	14.61			14.61		14.61
CE		2	14.61			14.61		14.61
FI		1	14.61			14.61		14.61
FI		2	14.61			14.61		14.61
HE		1	14.61			14.61		14.61
HE		2	14.61			14.61		14.61
LA		1	14.61			14.61		14.61
LA		2	14.61			14.61		14.61
LO		1	14.61			14.61		14.61
LO		2	14.61			14.61		14.61
SP		1	14.61			14.61		14.61
SP		2	14.61			14.61		14.61

FOR BILLING

Interior Stumpage Rate Request Form				
REFER TO ATTACHED PROCEDURES DOCUMENT WHEN COMPLETING THIS FORM.				
Licensee	Coastal GasLink Pipeline Ltd.	Licence/Cutting Permit	M02342 CP 03	
Forest District	DVA	Timber Mark	MTA 716	
Forest Zone	NC	Area (ha)	0.530	
Timber Supply Area	24	Effective Date (Ministry Staff)	2014/08/15	
Competitive Cutting Authority?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Expiry Date (Ministry Staff)	2015/08/14	

IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable	
<b>Non-adjusting - redetermined annually</b>		
6.1.1	Community Forest Agreement – August 1 (all cutting authorities)	<input type="checkbox"/>
6.1.2	Woodlot Licences – August 1 (CP, BSP or RP)	<input type="checkbox"/>
6.1.3	Deciduous Leading Rate – June 1	<input type="checkbox"/>
6.3	Road Timber Mark – June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(5) -Associated License	<input type="checkbox"/>
6.3	Blanket Salvage Cutting Permit – June 1	<input type="checkbox"/>
6.7	Licences to Cut-Non-Forestry Tenures – June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date	<input type="checkbox"/>
<b>Fixed for term and all extensions</b>		
5.1.1 (4)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>
6.2 (1)	Average Sawlog Stumpage Rate - Table 6-1	<input type="checkbox"/>
6.2 (2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>
6.2.1	FLTC for Specific Purposes (No Volume Limit)	
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>
	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)	<input type="checkbox"/>
(1) (c)	Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - Table 6-4 rates	<input type="checkbox"/>
(1) (d)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>
(1) (e)	Timber will be chipped or hogged on site.	<input type="checkbox"/>
6.4	Salvage Timber Stumpage Rate – No AAC Damaged Timber - Table 6-4 (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Clearcut ≤5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> Post Harvest Material – Table 6-5 (wood culverts and bridges, or post logging residue)	<input type="checkbox"/>
6.5	Decked > 3 yrs <input type="checkbox"/> < 3ys <input type="checkbox"/> If VCU, attach approved form Partially Harvested Timber > 3 yrs <input type="checkbox"/> < 3ys <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>
6.6	Miscellaneous Stumpage Rates – Table 6-6 Species: Product:	<input type="checkbox"/>
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>

Volume Estimates	
Total Coniferous Volume.	10 m <sup>3</sup>
Total Deciduous Volume.	5 m <sup>3</sup>
In Comments Box, describe how the volume estimate was derived (refer to Procedures page)..	

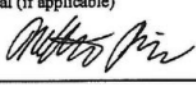
  

Silviculture (refer to attached procedures)	
Silviculture Responsibility: Crown: <input type="checkbox"/> Licensee: <input type="checkbox"/> n/a: <input checked="" type="checkbox"/>	
Apply Silviculture Levy: Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>	
Silviculture Levy: \$ per m <sup>3</sup>	

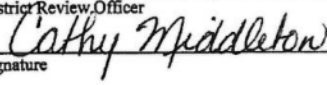
  

Bonus Section (attach signed Tender form)	
Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>	
Amount: \$ or /m <sup>3</sup>	
Apply bonus bid: Grades 1 & 2: <input type="checkbox"/> Grade 4: <input type="checkbox"/> Grade 6: <input type="checkbox"/> Deciduous: <input type="checkbox"/>	

Authority	
License Representative Matthew J Pilszek, RFT	
Signature and Seal (if applicable) RFT # 1954 	
Date April 2, 2015	

District Review Officer	
Signature 	
Field Verified Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Date May 1, 2015	

Regional Revenue Section Employee	
Signature	
Date	

Comments	
The timber volume for this rate request has been estimated through a combination of ocular estimates and VRI analysis completed by a Forest Professional. The Coastal GasLink document number for this rate request is Doc# CGE4703-GEOT-ENV-APP-033-A-GEOTECH-DVA-ISRR. This rate request is being submitted in conjunction with the Post Construction Plan for the same district. Doc# CGW4703-MCSL-G-MP-491, CGW4703-MCSL-G-MP-492, CGW4703-MCSL-G-MP-493, CGW4703-MCSL-G-MP-494, CGW4703-MCSL-G-MP-495, CGW4703-MCSL-G-MP-496, and CGW4703-MCSL-G-MP-497	

Revised November 1, 2013

11.41 + 3.20 = 14.

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Help

## Forest Tenure Administration (FTA)

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- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:

Mgmt Unit:

File ID:

CP:

Timber Mark: MTA716

File Type:

Mark Status:

Client Number:

Client Name:

Client Type:

Issue Date  
From:

To:

Expiry Date  
From:

To:



Salvage Type:

Zone:

## Private Mark Criteria

Certificate:



Only Private Marks

Land District:

Primary ID:

Primary Detail:

Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

District Name	<u>Client</u>	<u>File</u>	Timber	Salvage	<u>Mark</u>				
		Number	Type ID	CP Mark	Type	Certificate	Status	Issue Date	Expiry Date
DVA	COASTAL GASLINK PIPELINE LTD.	00166165 00	A11 M02342 3	MTA716			HI	2014-08-15	2016-08-14

[Details](#)

**Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	17.58	Lillooet	6.22
		Merritt	19.40
Coast Mountain (excluding North Coast Timber Supply Area)	3.69	Cascadia Blks 9,10,11	3.40
		Kalum	3.40
		Nass	6.58
		Pacific Bks 28A,28B	3.40
Nadina	13.24	Lakes	13.55
		Morice	13.24
Peace	7.29	Dawson Creek	8.47
		Fort St John	6.75
Prince George	21.04	Robson Valley	12.06
Quesnel	17.88	Cascadia Bks 5,6,7,8	17.88
		Quesnel	17.88
Rocky Mountain	13.17	Cranbrook	14.91
		Invermere	11.63
Selkirk	14.69	Arrow	15.85
		Boundary	15.40
		Cascadia Blks 1,2,3	15.85
		Cascadia Blk. 4	9.07
		Golden	15.05
		Kootenay Lake	14.66
		Revelstoke	9.07
Skeena Stikine	7.82	Bulkley	13.22
		Cassiar	0.88
		Kispiox	8.55

District is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District	Rate (\$/m <sup>3</sup> )
Prince George	21.19	Fort St. James	16.70
		Vanderhoof	11.41
Williams Lake	21.03	Cariboo Chilcotin	23.62
		Former Chilcotin	1.39

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	7.29*
Mackenzie	Mackenzie	12.69
Okanagan Shuswap	Okanagan	18.76
Thompson Rivers	Kamloops	15.29
100 Mile House	100 Mile House	8.63

\*Regional rate

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	13.72	Northeast	7.29
		Omenica	19.69
		Skeena	9.44
South	15.95	Cariboo	17.23
		Kootenay Boundary	14.10
		Thompson-Okanagan	17.37

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: July 1, 2014

Basic Silviculture Costs (\$/m3)

Region	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
Northern Interior	2.82	1.57	3.02	1.63		3.27	3.41			3.20
Southern Interior	4.34	6.01	4.84	5.81	5.22	3.75	4.08	5.61	2.50	3.71

Timber Pricing Branch

Verified by: SGF



**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02343 CP10  
**Date:** September 10, 2019 10:55:51 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB443

## Timber Mark Appraisal Summary

### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2016-04-29
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02343	Mark Extend Date:	
Cutting Permit:	10	Forest District:	Nadina Natural Resource
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	20 - Morice TSA

Appraisal Effective Date: 2018-06-01


Appraisal Status: Confirmed

Expiry Date: 2019-05-31

### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	26.78			26.78		26.78
BA		2	26.78			26.78		26.78
CE		1	26.78			26.78		26.78
CE		2	26.78			26.78		26.78
FI		1	26.78			26.78		26.78
FI		2	26.78			26.78		26.78
HE		1	26.78			26.78		26.78
HE		2	26.78			26.78		26.78
LA		1	26.78			26.78		26.78
LA		2	26.78			26.78		26.78
LO		1	26.78			26.78		26.78
LO		2	26.78			26.78		26.78
SP		1	26.78			26.78		26.78
SP		2	26.78			26.78		26.78
WH		1	26.78			26.78		26.78
WH		2	26.78			26.78		26.78
YE		1	26.78			26.78		26.78
YE		2	26.78			26.78		26.78

2018-06-01

Interior Stumpage Rate Request Form						
Licensee	Coastal GasLink Pipeline Ltd.	Licence/Cutting Permit	M02343 10	Timber Mark	MTB443	
Forest District	DND	Forest Zone	North Central	Timber Supply Area	20	
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2016-04-29	Area (ha)	155.1	
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2			<input type="checkbox"/>	Total Coniferous Volume: 30,205 m <sup>3</sup>	
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2			<input type="checkbox"/>	Total Deciduous Volume 10 m <sup>3</sup>	
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3			<input type="checkbox"/>		
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence			<input type="checkbox"/>	Silviculture (refer to attached procedures)	
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4			<input type="checkbox"/>	Silviculture Responsibility:	
(4)	≥ 80% Burnt - June 1 Table 6-4a			<input type="checkbox"/>		
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)			<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC			<input checked="" type="checkbox"/>	Apply Silviculture Levy - Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>	
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas			<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>	
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate			<input type="checkbox"/>	Bonus Section (attach signed Tender form)	
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume					
(1)	Average Sawlog Stumpage Rate Table 6-1			<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>	
(2)	Intermediate salvage If VCU, attach approved form			<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>	
6.2.1	FLTC for Specific Purposes (No Volume Limit)				Apply bonus bid:	
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)			<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>	
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection			<input type="checkbox"/>	Authority	
(1) (d)	(i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4			<input type="checkbox"/>	Licence Representative Matthew J Pilszek	
(1) (e)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations			<input type="checkbox"/>	Signature and Seal (if applicable) RFT #1954	
6.4.1	Salvage Cutting Authorities-Licences without an AAC				Date January 24, 2019	
(5) (i)	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> ≥ 80% Burnt Table 6-4a			<input type="checkbox"/>	District Review Officer	
6.4.4	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)			<input type="checkbox"/>	Signature	
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence				Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>	
	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form			<input type="checkbox"/>	Date	
	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form			<input type="checkbox"/>	Regional Revenue Section Employee	
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:			<input type="checkbox"/>	Signature	
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.			<input type="checkbox"/>	Date	
<b>Comments</b>						
The volume estimate for this rate request has been derived by a combination of field observations and query of the BC VRI data. This rate request pertains to the Coastal GasLink Pipeline Project.						

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Help

## Forest Tenure Administration (FTA)

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- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	<input type="text" value="MTB443"/>
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

Client		File		Mark			
District	Name	Number	Type ID	Timber CP Mark	Salvage Type	Certificate Status	Issue Date
DND	COASTAL GASLINK PIPELINE LTD.	0016616500	A11 M02343 10	MTB443		HI	2016-04-29
							2020-08-31
							<a href="#">Details</a>

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North Coast Timber Supply Area)	0.43	Cascadia Blks 9,10,11	0.25
		Kalum	0.25
		Nass	0.26
		Pacific Blks 28A,28B	0.25
Nadina	22.88	Lakes	22.81
		Morice	22.89
Peace	8.20	Dawson Creek	9.29
		Fort St John	6.53
Prince George	29.42	Robson Valley	6.42
Quesnel	26.90	Cascadia Blks 5,6,7,8	26.90
		Quesnel	26.90
Rocky Mountain	21.98	Cranbrook	23.68
		Invermere	17.13
Selkirk	20.12	Arrow	18.75
		Boundary	23.41
		Cascadia Blks 1,2,3	18.75
		Cascadia Blk. 4	5.41
		Golden	22.45
		Kootenay Lake	24.39
		Revelstoke	5.41
Skeena Stikine	14.69	Bulkley	15.16
		Cassiar	0.49
		Kispiox	14.29

22.89  
3.89  
26.78

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	29.89	Fort St. James	29.17
		Vanderhoof	20.95
Williams Lake	27.90	Cariboo Chilcotin	27.78
		Williams Lake TSA Blks, A, B, C, D, E & I	12.95

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	6.53
Mackenzie	Mackenzie	24.60
Okanagan Shuswap	Okanagan	22.57
Thompson Rivers	Kamloops	22.63
100 Mile House	100 Mile House	31.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	21.03	Northeast	8.20
		Omineca	28.02
		Skeena	15.65
South	23.34	Cariboo	28.38
		Kootenay Boundary	20.81
		Thompson-Okanagan	22.91

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2018

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25			3.89
South	4.82	6.14	5.34	6.14	5.56	4.04	4.49	5.96	5.33	4.72

Timber Pricing Branch

Verified by:

SBF

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
North Area	29.15	South Area	32.80
Northeast Region	17.47	Cariboo Region	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
Omineca Region	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	Kootenay/Boundary Region	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
Skeena Region	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF



**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02343 CP14  
**Date:** September 10, 2019 10:55:53 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB701

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2016-09-02
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02343	Mark Extend Date:	
Cutting Permit:	14	Forest District:	Nadina Natural Resource
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	20 - Morice TSA

Appraisal Effective Date: 2018-06-01


Appraisal Status: Confirmed

Expiry Date: 2019-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	26.78			26.78		26.78
BA		2	26.78			26.78		26.78
CE		1	26.78			26.78		26.78
CE		2	26.78			26.78		26.78
FI		1	26.78			26.78		26.78
FI		2	26.78			26.78		26.78
HE		1	26.78			26.78		26.78
HE		2	26.78			26.78		26.78
LA		1	26.78			26.78		26.78
LA		2	26.78			26.78		26.78
LO		1	26.78			26.78		26.78
LO		2	26.78			26.78		26.78
SP		1	26.78			26.78		26.78
SP		2	26.78			26.78		26.78
WH		1	26.78			26.78		26.78
WH		2	26.78			26.78		26.78
YE		1	26.78			26.78		26.78
YE		2	26.78			26.78		26.78

2018-06-01

Interior Stumpage Rate Request Form						
<b>Licensee</b>	Coastal GasLink Pipeline Ltd.	<b>License/Cutting Permit</b>	M02343 14	<b>Timber Mark</b>	MTB701	
<b>Forest District</b>	DND	<b>Forest Zone</b>	North Central	<b>Timber Supply Area</b>	20	
<b>Competitive Cutting Authority</b>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Effective/Expiry Date</b>	2016-09-02	<b>Area (ha)</b>	21.0	
<b>IAM Sec.</b>	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 73 m <sup>3</sup>			
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume: 1 m <sup>3</sup>			
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>				
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence	<input type="checkbox"/>	Silviculture (refer to attached procedures)			
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Silviculture Responsibility:			
(4)	≥ 80% Burnt - June 1 Table 6-4a	<input type="checkbox"/>				
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>			
		<input type="checkbox"/>	Apply Silviculture Levy -			
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>			
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)			
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume					
(1)	Average Sawlog Stumpage Rate Table 6-1	<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/>		Bonus Bid: <input type="checkbox"/>	
(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Amount: \$		\$/m <sup>3</sup>	
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Apply bonus bid:			
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) <u>Direct award</u> FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection (i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Authority			
(1) (d)	<u>Direct award</u> FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Licence Representative Matthew J Pilszek			
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Signature and Seal (if applicable) RFT #1954			
6.4.1	Salvage Cutting Authorities-Licences without an AAC		Date January 24, 2019			
(5) (i)	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> ≥ 80% Burnt Table 6-4a	<input type="checkbox"/>	District Review Officer			
	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>	Signature			
6.4.4	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	<input type="checkbox"/>				
6.5	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>			
	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Date			
	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Regional Revenue Section Employee			
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:	<input type="checkbox"/>	Signature			
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>	Date			
<b>Comments</b>						
The volume estimate for this rate request has been derived by a combination of field observations and query of the BC VRI data. This rate request pertains to the Coastal GasLink Pipeline Project (Multi-use Site 9A).						

Application Home

Help

## Forest Tenure Administration (FTA)

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[Recreation](#)
[Admin](#)

- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	MTB701
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

Client		File		Mark					
District	Name	Number	Type ID	Timber CP	Salvage Mark Type	Certificate	Status	Issue Date	Expiry Date
DND	COASTAL GASLINK PIPELINE LTD.	0016616500	A11 M02343 14	MTB701			HI	2016-09-02	2020-08-31

Details

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North Coast Timber Supply Area)	0.43	Cascadia Blks 9,10,11	0.25
		Kalum	0.25
		Nass	0.26
		Pacific Blks 28A,28B	0.25
Nadina	22.88	Lakes	22.81
		Morice	22.89
Peace	8.20	Dawson Creek	9.29
		Fort St John	6.53
Prince George	29.42	Robson Valley	6.42
Quesnel	26.90	Cascadia Blks 5,6,7,8	26.90
		Quesnel	26.90
Rocky Mountain	21.98	Cranbrook	23.68
		Invermere	17.13
Selkirk	20.12	Arrow	18.75
		Boundary	23.41
		Cascadia Blks 1,2,3	18.75
		Cascadia Blk. 4	5.41
		Golden	22.45
		Kootenay Lake	24.39
		Revelstoke	5.41
Skeena Stikine	14.69	Bulkley	15.16
		Cassiar	0.49
		Kispiox	14.29

22.89  
3.89  
-----  
26.78

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	29.89	Fort St. James	29.17
		Vanderhoof	20.95
Williams Lake	27.90	Cariboo Chilcotin	27.78
		Williams Lake TSA Blks, A, B, C, D, E & I	12.95

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	6.53
Mackenzie	Mackenzie	24.60
Okanagan Shuswap	Okanagan	22.57
Thompson Rivers	Kamloops	22.63
100 Mile House	100 Mile House	31.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	21.03	Northeast	8.20
		Omineca	28.02
		Skeena	15.65
South	23.34	Cariboo	28.38
		Kootenay Boundary	20.81
		Thompson-Okanagan	22.91

# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

EFFECTIVE: April 1, 2018

## Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25			3.89
South	4.82	6.14	5.34	6.14	5.56	4.04	4.49	5.96	5.33	4.72

Timber Pricing Branch

Verified by:

SBF

MO2343/CP14

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

MTB701

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
North Area	29.15	South Area	32.80
Northeast Region	17.47	Cariboo Region	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F, G, H, J, K, L, M, N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A, B, C, D, E, I)	12.03
Omineca Region	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	Kootenay/Boundary Region	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E, F, G, H, I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A, B, C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
Skeena Region	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

24.61

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF



**From:** [Gobin, Linda S FLNR:EX](#)  
**To:** [Gobin, Linda S FLNR:EX](#)  
**Subject:** FOR-19545-80/M02343 CP21  
**Date:** September 10, 2019 10:39:00 AM  
**Attachments:** [Scan\\_20190910.pdf](#)

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## Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB811

### Timber Mark Appraisal Summary

#### General Information

Client:	COASTAL GASLINK PIPELINE LTD.	Mark Issue Date:	2017-08-11
Client Number:	00166165	Mark Expiry Date:	2020-08-31
License:	M02343	Mark Extend Date:	
Cutting Permit:	21	Forest District:	Nadina Natural Resource
Annual Allowable Cut:	0	Tenure Type:	A11 - Master Licence to Cut
		TSA/TFL:	20 - Morice TSA

Appraisal Effective Date: 2018-06-01


Appraisal Status: Confirmed

Expiry Date: 2019-05-31

#### Non Appraised Rates

Species	Product	Grade	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
BA		1	26.78			26.78		26.78
BA		2	26.78			26.78		26.78
CE		1	26.78			26.78		26.78
CE		2	26.78			26.78		26.78
FI		1	26.78			26.78		26.78
FI		2	26.78			26.78		26.78
HE		1	26.78			26.78		26.78
HE		2	26.78			26.78		26.78
LA		1	26.78			26.78		26.78
LA		2	26.78			26.78		26.78
LO		1	26.78			26.78		26.78
LO		2	26.78			26.78		26.78
SP		1	26.78			26.78		26.78
SP		2	26.78			26.78		26.78
WH		1	26.78			26.78		26.78
WH		2	26.78			26.78		26.78
YE		1	26.78			26.78		26.78
YE		2	26.78			26.78		26.78

2018-06-01

Interior Stumpage Rate Request Form						
Licensee	Coastal GasLink Pipeline Ltd.	Licence/Cutting Permit	M02343 21	Timber Mark	MTB811	
Forest District	DND	Forest Zone	North Central	Timber Supply Area	20	
Competitive Cutting Authority	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Effective/Expiry Date	2017-08-11	Area (ha)	5.2	
IAM Sec.	Rate Calculation Method (Check 1 Box Only) Complete Silviculture and/or Bonus Section if Applicable			Volume Estimates In Comments Box, describe how the volume estimate was derived (refer to Procedures page)		
<b>Non-adjusting - redetermined annually</b>						
6.1.1	Community Forest Agreement - August 1 (all cutting authorities) Table 6-2	<input type="checkbox"/>	Total Coniferous Volume: 21 m <sup>3</sup>			
6.1.2	Woodlot Licences - August 1 (CP, BSP or RP) Table 6-2	<input type="checkbox"/>	Total Deciduous Volume: 1 m <sup>3</sup>			
6.1.3	Incidental Conifer in Deciduous Leading Stands - June 1 Table 6-3	<input type="checkbox"/>				
6.3	Road Permit Stumpage Rates - June 1 (Including Woodlot Road Timber Marks with an eligible ERA) If Sec. 6.3(7) - Associated Licence	<input type="checkbox"/>	Silviculture (refer to attached procedures)			
6.4.2	Blanket Salvage Cutting Authorities - Licences with an AAC (Scale Based) - June 1 Table 6-4	<input type="checkbox"/>	Silviculture Responsibility:			
(4)	≥ 80% Burnt - June 1 Table 6-4a	<input type="checkbox"/>				
6.4.3	Cruise Based Salvage Cutting Authorities - redetermine per IAM 6.4.3(7) Table 6-6 and required Cruise Based Salvage Cutting Authority Data Sheet (Page 3)	<input type="checkbox"/>	Crown <input type="checkbox"/> Licensee <input type="checkbox"/> N/A <input checked="" type="checkbox"/>			
6.7	Licences to Cut-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC	<input checked="" type="checkbox"/>	Apply Silviculture Levy - Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
6.8	Controlled Recreation Areas (CRAs)- Anniversary Date Conifer sawlog average rate for controlled recreation areas	<input type="checkbox"/>	Silviculture Levy: \$ per m <sup>3</sup>			
<b>Fixed for term and all extensions</b>						
5.1.1 (5)	BCTS Decked or Partially Harvested Timber TSM Requested Rate	<input type="checkbox"/>	Bonus Section (attach signed Tender form)			
6.2	Cutting Authorities With 5000 m <sup>3</sup> or Less Volume					
(1)	Average Sawlog Stumpage Rate Table 6-1	<input type="checkbox"/>	Bonus Offer: <input type="checkbox"/> Bonus Bid: <input type="checkbox"/>			
(2)	Intermediate salvage If VCU, attach approved form	<input type="checkbox"/>	Amount: \$ \$/m <sup>3</sup>			
6.2.1	FLTC for Specific Purposes (No Volume Limit)		Apply bonus bid:			
(1) (a)	FLTC awarded to highest bidder. Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)	<input type="checkbox"/>	Grades 1 & 2: <input type="checkbox"/> , Grade 4: <input type="checkbox"/> , Grade 6: <input type="checkbox"/> , Deciduous: <input type="checkbox"/>			
(1) (c)	Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form) Direct award FLTC for community wildfire protection, or, for FLTC issued to lowest bidder on a contract for community wildfire protection	<input type="checkbox"/>	Authority			
(1) (d)	(i) Table 6-1 rates (ii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4	<input type="checkbox"/>	Licence Representative Matthew J Pilszek			
(1) (e)	Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations	<input type="checkbox"/>	Signature and Seal (if applicable) RFT #1954			
(1) (e)	Timber will be chipped or hogged on site. Table 6-7	<input type="checkbox"/>	Date January 24, 2019			
6.4.1	Salvage Cutting Authorities-Licences without an AAC		District Review Officer			
(5) (i)	Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4 Clearcut ≤ 5ha: <input type="checkbox"/> or Stocked stand post-harvest? <input type="checkbox"/> ≥ 80% Burnt Table 6-4a	<input type="checkbox"/>	Signature			
6.4.4	Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5	<input type="checkbox"/>				
6.5	BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	<input type="checkbox"/>	Field Verified Yes <input type="checkbox"/> No <input type="checkbox"/>			
6.6	Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence		Date			
6.6	Decked > 3 yrs <input type="checkbox"/> ≤ 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Regional Revenue Section Employee			
6.6	Partially Harvested Timber ≥ 3yrs <input type="checkbox"/> < 3yrs <input type="checkbox"/> If VCU, attach approved form	<input type="checkbox"/>	Signature			
6.6	Miscellaneous Stumpage Rates Table 6-7 Species: Product:	<input type="checkbox"/>	Date			
6.7	Licences to Cut - FLTC issued under section 47.6(3) of the Act in conjunction with a BCTS contract. Table 6-3 + basic silviculture cost for the forest region.	<input type="checkbox"/>	Feb. 20/19			
<b>Comments</b>						
The volume estimate for this rate request has been derived by a combination of field observations and query of the BC VRI data. This rate request pertains to the Coastal GasLink Pipeline Project (Timber Decking Area 24).						

14 lakes.

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## Forest Tenure Administration (FTA)

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- Valid timber mark provided. All other search criteria ignored.

## FTA002 - Timber Mark Search

Note: Please enter sufficient criteria to reduce the time it takes to search for records. It may take a while if you only enter one piece of data.

You may enter timber mark on its own and the system will search for it. If it exists all other criteria will be ignored; otherwise, it will look for all timber marks that start with the value entered and meets all the other criteria entered.

District:	<input type="text"/>	Mgmt Unit:	<input type="text"/>
File ID:	<input type="text"/>	CP:	<input type="text"/>
File Type:	<input type="text"/>	Timber Mark:	MTB811
Client Number:	<input type="text"/>	Mark Status:	<input type="text"/>
Client Type:	<input type="text"/>	Client Name:	<input type="text"/>
Issue Date From:	<input type="text"/>	Expiry Date From:	<input type="text"/>
To:	<input type="text"/>	To:	<input type="text"/>
Salvage Type:	<input type="text"/>	Zone:	<input type="text"/>

## Private Mark Criteria

Certificate:	<input type="text"/>	<input type="checkbox"/> Only Private Marks
Land District:	<input type="text"/>	Primary ID: <input type="text"/>
Primary Detail:	<input type="text"/>	

Sort By: ☒ District ☐ Client Name ☐ File Type

Search

Clear

1 row returned

Client		File		Mark			
District	Name	Number	Type ID	Timber CP Mark	Salvage Type	Certificate Status	Issue Date
DND	COASTAL GASLINK PIPELINE LTD.	0016616500	A11 M02343 21	MTB811		HI	2017-08-11
							2020-08-31

[Details](#)

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

TSA is Smallest Geographic Unit			
District	Rate (\$/m <sup>3</sup> )	TSA	Rate (\$/m <sup>3</sup> )
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North Coast Timber Supply Area)	0.43	Cascadia Blks 9,10,11	0.25
		Kalum	0.25
		Nass	0.26
		Pacific Blks 28A,28B	0.25
Nadina	22.88	Lakes	22.81
		Morice	22.89
Peace	8.20	Dawson Creek	9.29
		Fort St John	6.53
Prince George	29.42	Robson Valley	6.42
Quesnel	26.90	Cascadia Blks 5,6,7,8	26.90
		Quesnel	26.90
Rocky Mountain	21.98	Cranbrook	23.68
		Invermere	17.13
Selkirk	20.12	Arrow	18.75
		Boundary	23.41
		Cascadia Blks 1,2,3	18.75
		Cascadia Blk. 4	5.41
		Golden	22.45
		Kootenay Lake	24.39
		Revelstoke	5.41
Skeena Stikine	14.69	Bulkley	15.16
		Cassiar	0.49
		Kispiox	14.29

22.89  
3.89  
26.78

District/District Portion is Smallest Unit			
TSA	Rate (\$/m <sup>3</sup> )	District/District Portion	Rate (\$/m <sup>3</sup> )
Prince George	29.89	Fort St. James	29.17
		Vanderhoof	20.95
Williams Lake	27.90	Cariboo Chilcotin	27.78
		Williams Lake TSA Blks, A, B, C, D, E & I	12.95

District & TSA are the same		
District	TSA	Rate (\$/m <sup>3</sup> )
Fort Nelson	Fort Nelson	6.53
Mackenzie	Mackenzie	24.60
Okanagan Shuswap	Okanagan	22.57
Thompson Rivers	Kamloops	22.63
100 Mile House	100 Mile House	31.05

Region is Smallest Unit			
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m <sup>3</sup> )
North	21.03	Northeast	8.20
		Omineca	28.02
		Skeena	15.65
South	23.34	Cariboo	28.38
		Kootenay Boundary	20.81
		Thompson-Okanagan	22.91

# INTERIOR BASIC SILVICULTURE COSTS BY SPECIES

EFFECTIVE: April 1, 2018

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25			3.89
South	4.82	6.14	5.34	6.14	5.56	4.04	4.49	5.96	5.33	4.72

Timber Pricing Branch

Verified by:

SBF

**Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit**

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m <sup>3</sup>
North Area	29.15	South Area	32.80
Northeast Region	17.47	Cariboo Region	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
Omineca Region	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	Kootenay/Boundary Region	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
Skeena Region	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

INTERIOR BASIC SILVICULTURE COSTS BY SPECIES  
EFFECTIVE: April 1, 2019

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	4.04	1.61	3.79	1.72		4.06	4.61			4.21
South	4.93	6.09	5.92	6.02	5.32	4.17	4.63	5.83	6.00	4.98

Timber Pricing Branch

Verified by: SBF





Harvest Billing System  
Mark Monthly Billing History Report

SP PR GR			2015-Jan	2015-Feb	2015-Mar	2015-Apr	2015-May	2015-Jun	2015-Jul	2015-Aug	2015-Sep	2015-Oct	2015-Nov	2015-Dec	Total
DISTRICT:	Stuart Nechako Natural Resource District														
MARK:	MTA716														
	M³		0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
MARK TOTAL	M³		0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
DISTRICT TOTAL	M³		0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
GRAND TOTAL:	M³		0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

Runtime Filtering Parameters

Date Range: From: 2015-01-01 To: 2015-12-31  
Region/District Harvested: All  
Client No/Loc: All

Species: All  
Product: Log  
Grade: All  
Billing Type: Normal,Waste  
Mgmt Unit Type:  
Mgmt Unit No:

Report Configuration Parameters

Volume (M3): Yes  
Value (\$): No  
Value/Volume (\$/M3): No  
Volume Fraction (%): No  
Species: No  
Product: No  
Grade: No  
Grouping: District and Mark

Tenure Details: Licence ( M02342 )