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



# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB054

# **Timber Mark Appraisal Summary**

#### **General Information**

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02341

**Cutting Permit:** 

11

Annual Allowable Cut: 0

Forest District: Tenure Type:

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

2015-10-20

2020-08-31

Prince George Natural A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

TSA/TFL:

24 - Prince George TSA

# Appraisal Effective Date: 2019-06-01

**Expiry Date:** 

2020-05-31

#### Non Appraised Rates

Reserve Rate ade (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
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44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
44.14			44.14		44.14
	Rate (\$/m3)  44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14	Rate (\$/m3) (\$/m3)  44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14	Rate (\$/m3) (\$/m3) (\$/m3)  44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14 44.14	Rate (\$/m3) (\$/m	Rate (\$/m3) (\$/m3) (\$/m3) (\$/m3) (\$/m3) (\$/m3)  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	\$/m3
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	35.1
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.9
Lakes TSA	20.40	Merritt TSA	39.1
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.1
Kispiox TSA	16.58	Okanagan TSA	33.1
Cassiar TSA	7.42	Thompson Rivers District	34.3
		Kamloops TSA	34.3

39.93

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

Basic Silviculture Costs (\$/m3)

Basic Silviculture C	osts (3/1113)					Ladamala Dian	Chruso	White Pine	Yellow Pine	Total
A-00	Balsam	Cedar	Fir	Hemlock	Larch	Lodgepole Pine	Spruce	AATHE LINE	TOHOW T HIGH	
Area			2 70	1 72		4.06	4.61		1	4.21
North	4.04	1.61	3.1.5	1,12		4.47	4.63	5.83	6.00	4.98
South	4.93	6.09	5,92	6.02	5,32	4.17	4.00	3,03	0.00 1	1.00

Timber Pricing Branch

Verified by:

Mo 2341/11

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

TSA is Smallest Geographic Unit							
District	Rate (\$/m3)	TSA	Rate (\$/m3)				
Cascades	24.02	Lillooet	6.03				
		Merritt	27.90				
Coast Mountain (excluding North	0.43	Cascadia Blks 9,10,11	0.25				
Coast Timber Supply Area)		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				
1		Cascadia Blk. 4	5.41				
		Golden	22.45				
		Kootenay Lake	24.39				
		Revelstoke	5.41				
Skeena Stikine	14.69	Bulkley	15.16				
I		Cassiar	0.49				
		Kispiox	14.29				

District/District Portion is Smallest Unit						
TSA	Rate (\$/m3)	District/District Portion	Rate (\$/m3)			
Prince George	29.89	Fort St. James	29.17			
	29.09	Vanderhoof	20.95			
		Cariboo Chilcotin	27.78			
Williams Lake	27.90	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				

MTBOST
\$33.31

Region is Smallest Unit						
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m3)			
		Northeast	8.20			
North	21.03	Omineca	28.02			
		Skeena	15.65			
		Cariboo	28.38			
South	23.34	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 Lo	dgepole Pine	Spruce	White Pine	Yellow Pine	Total
North	3.72	1.69	3.42	1.97		3.77	4.25	TTIMO TIMO	7 CHOW 1 IIIe	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:



# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB054

# **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02341

**Cutting Permit:** Annual Allowable Cut: 0

11

Mark Expiry Date: Mark Extend Date:

Mark Issue Date:

2015-10-20 2020-08-31

Forest District: Tenure Type:

TSA/TFL:

Prince George Natural A11 - Master Licence to Cut 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

District	Rate (\$/m3)	Geographic Unit	Rate (\$/m <sup>3</sup> )
Cascades	20.26	Lillooet	1.97
		Merritt	23.61
Coast Mountain (excluding North	0.47	Cascadia Blks 9,10,11	0.35
Coast Timber Supply Area)		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

\$76.33

District/District Portion is Smallest Unit						
TSA	Rate (\$/m³)	District/District Portion	Rate (\$/m3)			
Prince George	23.13	Fort St. James	22.36			
Prince George	23.13	Vanderhoof	20.36			
		Cariboo Chilcotin	25.48			
Williams Lake	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   Rate (\$/m³)   Region   Rate (\$/m³)					
Area	Rate (\$/m3)				
		Northeast	5.11		
North	14.83	Omenica	20.60		
		Skeena	9.38		
		Cariboo	23.06		
South	19.64	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: MTB054

#### **Timber Mark Appraisal Summary**

#### **General Information**

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02341

**Cutting Permit:** Annual Allowable Cut: 11 0

Mark Issue Date:

2015-10-20 2020-08-31 Mark Expiry Date:

Mark Extend Date:

Forest District: Tenure Type:

Prince George Natural Resource [ A11 - Master Licence to Cut Sec 4

**Appraisal Status: Confirmed** 

TSA/TFL:

24 - Prince George TSA

Appraisal Effective Date: 2016-06-01

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)
ВА		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 (\$/m3)		
Cascades	21.76	Lillooet	8.49		
		Merritt	23.92		
Coast Mountain (excluding North	4.24	Cascadia Blks 9,10,11	3 76		
Coast Timber Supply Area)		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 (\$/m3)	District/District Portion	Rate (\$/m3)			
Prince George	23.88	Fort St. James	20.45			
Prince George	23.50	Vanderhoof	15.90			
		Cariboo Chilcotin	17.60			
Williams Lake	17.60	Williams Lake TSA Blocks, A, B, C, D, E & I	13.61			

\$ 23.76 + 3.29

District	TSA	Rate (\$/m³)
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

	Region is Smallest Unit				
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m³)		
		Northeast	8.94		
North	15.98	Omenica	21.33		
		Skeena	11.45		
		Cariboo	19.11		
South	20.84	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:

12 of 98



# **DOCUMENT TRANSMITTAL**

Transmittal No: CGL4703-GEOT-CGP-TR-0658 Date: Feb 5 2016
---

То:	Ministry of Forests, Lands and Natural Resource Operations 2000 South Ospika Blvd. Prince George, BC, V2N 4W5	From:	Geoterra IRS 1301 Kelliher Rd, Prince George, BC, V2L 5S8 250-640-2974
Attn:	MFLNRO	Prepared by:	Matt Pilszek
Email Address:	RNIREVShortForms@gov.bc.ca	Email Address:	Matt.pilszek@geoterra.net
Subject:	COASTAL GASLINK PIPELINE LTD.0 Batch 2)Proposed Borrow Pits PBS35		148 (Prince George Forest District –
Remarks:	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-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	

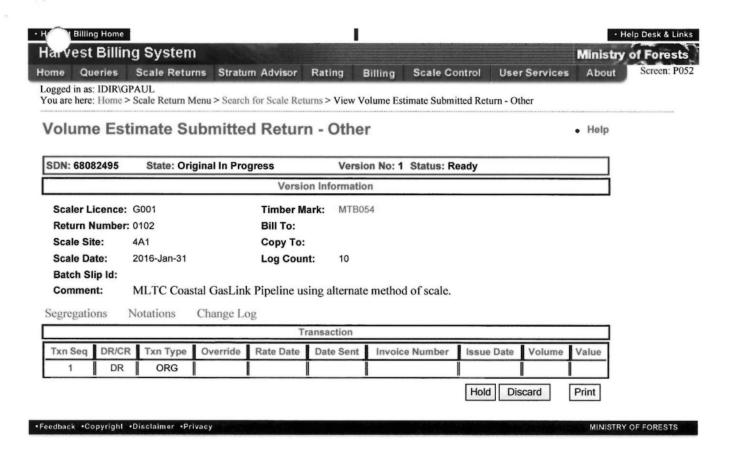
Please acknowledge receipt by promptly signing, dating, and returning to Company Document Control via email.

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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	









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

Timber Mark: MTB054

#### **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02341

2016-05-31

**Cutting Permit:** 

Expiry Date:

Annual Allowable Cut: 0

11

Mark Expiry Date: Mark Extend Date: 2015-10-20 2020-08-31

Forest District:

Mark Issue Date:

Tenure Type:

Prince George Natural Resource [ A11 - Master Licence to Cut Sec 4

TSA/TFL:

**Appraisal Status: Confirmed** 

24 - Prince George TSA

Appraisal Effective Date: 2015-10-20

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	3.15		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

MITTER STATE				HARVE	ST BILLING	SYSTEM DA	TA SUMM	ARY		STEEL STEEL	1 20		
Species		Vol	ume by Grade	(m³)		Total Volume	35.86.626	Percenta	ge by Grade	e		Sawlog	Off Grade
Species	1	2	4	6	Z	(m³)	1	2	4	6	Z	Percentage	Percentage
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 Bil	lable V	olumes
		BIL	LABLE VOLU	ME SUMMAR	RY			Maria Sala
Species		Volun	me by Grade (	m <sup>3</sup> )		Sawlog Volume	Off Grade	Total Volume
Species	1	2	4	6	Z	(m³)	Volume (m <sup>3</sup> )	(m³)
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

icensee	<u> </u>	Coastal GasLink	Licence/Cutting Permit	T	41 CP11	Timber Mark	MTB 054	
Forest District DPG Forest Zone						Timber Supply	24 Dr.	ceGoor
Competit	ive Cutting	Yes No No		14/10	120-2020/08/21	Area (ha)	1.01	ecus
Authority IAM		tion Method (Check 1		313110	Volume Estimates			l
Sec.			s Section if Applicable		Tolume Estimates			
<i>Non-adji</i> 6.1.1		Forest Agreement -A	uguet 1 (all cutting		Total Coniferous Volume:	52.49	m <sup>3</sup>	
	authorities)	Table 6-2						
6.1.2	Woodlot Lie Table 6-2	ences – August 1 (CP,	BSP or RP)		Total Deciduous Volume	0.00	m³	
6.1.3	Table 6-3	onifer in Deciduous L	eading Stands – June 1		In Comments Box, describe derived (refer to Procedure		stimate was	
6.3	Road Timber	t Stumpage Rates – Ju Marks with an eligible Associated License	ne 1 (Including Woodlot ERA)		Silviculture (refer to attac	ched procedures)		
6.4.2		ting Authorities - Lice	ences with an AAC		Silviculture Responsibility:			
6.4.2.1	Blanket Salv Table 6-4	vage Cutting Authoriti	ies (Scale Based) – June 1		Crown  License	ee 🗆 N/A	⊠	
6.4.2.2	Cruise Base and required	Cruise Based Salvage	horities – June 1 Table 6-6 Cutting Authority Calculation		Apply Silviculture Levy -	K L NA	۵	
6.7	basic silvicu	Cut-Non-Forestry Ten ture cost for the forest			Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	ciduous:	
6.8		Recreation Areas (CRA og average rate for con	As)- Anniversary Date trolled recreation areas		Silviculture Levy: \$	per m <sup>3</sup>		
	r term and all	extensions						
5.1.1 (5)	TSM Reques	d or Partially Harvest ted Rate	ed Timber	П	Bonus Section (attach sign	ned Tender form)		
6.2 6.2(1)		horities With 5000 m <sup>3</sup>			Bonus Offer :	Bonus Bid:		
6.2(2)		Average Sawlog Stumpage Rate - Table 6-1  Intermediate salvage			Amount: \$	\$/m³		
621		h approved form	-l I iia		Amely begans hids			
6.2.1 (1) (a)		ecific Purposes (No V ed to highest bidder.	olume Limit)		Apply bonus bid:			
			emoving damaged timber tach approved VCU form)	_	Grades 1 & 2:□, Grade 4:			
	Utilizing post waste assessn	harvest material in land ment done (attach appr	dings or at roadside after oved VCU form)		Authority			
(1) (c)	FLTC issued	to lowest bidder on a co	vildfire protection, <u>or</u> , for ontract for community		License Representative Matthew J Pilszek, RFT			
	wildfire prote (i) Tab	ection ole 6-1 rates		_	Signature and Seal (if appli	icable)		
	(ii) Da	maged Timber - (> 1/3	of volume damaged by blow	H	RFT # 1954			
(1) (d)	Direct award	FLTC issued to the low	ress, or pest) Table 6-4 rest bidder on a contract for	H	Motor	hin		
(1) (e)		naged timber from natu e chipped or hogged or	ral stands or plantations site. Table 6-7		Date January 29, 2016			
6.4.1	Salvage Cut	ing Authorities-Licen	ces without an AAC					
	fire, disease,	mber - (> 1/3 of volum snow press, or pest) Tal a: or Stocked stand			District Review Officer			
	Post Harvest		verts and bridges, or post		Signature			
6.5		Partially Harvested Ti ther than a Cutting Au FS Licence			Field Verified Yes 1	No 🗌		
		yrs □ ≤ 3yrs □ th approved form			Date			
	Partially Ha	rvested Timber ≥ 3yr	s 🗌 < 3yrs 🔲 If VCU,		Regional Revenue Section	Employee		
6.6	Miscellaneou	red form us Stumpage Rates – T	able 6-7	_	Signature / A - + ()			
0.0	Species:	Product:	MOIN U-1		Kaieka	ul		
6.7	Licences to 0	Cut - FLTC issued und n with a BCTS contract pasic silviculture cost fo			Date Leb 15	116.		
Commen	ts			5677 1 0	D. The timber 1	hio ento 1	ann action to 1	1
through a	query of the Be	C VRI database and the	posed Borrow Pits PBS 35 and alternative method of scaled id- request is CGE4703-GEOT-EN	entified f	for the Coastal GasLink Pipel	line Project (ref: 213		

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

District	Rate (\$/m3)	Geographic Unit TSA	Rate (\$/m3)
Cascades	23.54	Lillooet	3.79
		Merritt	25.93
Coast Mountain (excluding North	3.93	Cascadia Blks 9,10,11	2.16
Coast Timber Supply Area)		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	Агтом	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 (\$/m3)	District/District Portion	Rate (\$/m3)					
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 (\$/m3)				
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				

<sup>\*</sup>Regional rate

Region is Smallest Unit							
Area	Rate (\$/m <sup>3</sup> )	Region	Rate (\$/m³)				
North	16.19	Northeast	8.40				
1		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 Lo	odgepole 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 Rec	Recreation Admin	
Valid timber mark provided. All other sea	arch criteria ignored.		î
FTA002 - Timber Mark Search			
	system will search for it. If it e	for records. It may take a while if you only enter one piece of data.  f it exists all other criteria will be ignored; otherwise, it will look for all timber intered.	
District:	~	Mgmt Unit:	
File ID:		CP: Timber Mark: MTB054	
File Type:	<u> </u>	Mark Status:	
Client Number:		Client Name:	
Client Type:		Evolut Data	
Issue Date From:		From: To:	
Salvage Type:	~	Zone:	
Private Mark Criteria			
Certificate:		Only Private Marks	
Land District:	∨ Prim	rimary ID:	
Primary Detail:			
Sort By: District O Client Name O File	e Type Sear	Search Clear	
	100	1 row returned	
Client District Name	<u>File</u> Number Type ID	Timber Salvage <u>Mark</u> CP Mark Type Certificate Status Issue Date Expiry Date	
DPG COASTAL GASLINK PIPELINE (		341 11 MTB054 HI 2015-10-20 2020-08-31 Details	
			V



January 22, 2016

Ministry of Forests, Lands and Natural Resource Operations 2000 South Ospika Blvd. Prince George, BC, V2N 4W5 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
Web: 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 <a href="matt.pilszek@geoterra.net">matt.pilszek@geoterra.net</a>.

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**

Transmittal No: CGL4703-GEOT-CGP-TR-0658	Date: Feb 5 2016
--	------------------

То:	Ministry of Forests, Lands and Natural Resource Operations 2000 South Ospika Blvd. Prince George, BC, V2N 4W5	From:	Geoterra IRS 1301 Kelliher Rd, Prince George, BC, V2L 5S8 250-640-2974
Attn:	MFLNRO	Prepared by:	Matt Pilszek
Email Address:	RNIREVShortForms@gov.bc.ca	Email Address:	Matt.pilszek@geoterra.net
Subject:	COASTAL GASLINK PIPELINE LTD.0 Batch 2)Proposed Borrow Pits PBS35		148 (Prince George Forest District –
Remarks:	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-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.

Received By:	Date:

#### 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	



# Paul, il FLNR:EX

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
- Transmittal Letter
- Interior Stumpage Rate Request
- 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

Matt.Pilszek@geoterra.net

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#### Thank you.

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Merci

Ministry of Forests, Lands and Natural Resource Operations

Timber Pricing Branch

MEMORANDUM

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.
  - 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:
  (\$)invoiced = (Billed volume(3b -3c) scaled volume(3d)) x 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.

Client Number:

00166165

License:

M02341

**Cutting Permit:** 

12

Annual Allowable Cut: 0

Forest District: Tenure Type: TSA/TFL:

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

2015-05-27

2020-08-31

Prince George Natural A11 - Master Licence to Cut

24 - Prince George TSA

**Appraisal Status: Confirmed** 

Appraisal Effective Date: 2019-06-01

Expiry Date:

2020-05-31

**Non Appraised Rates** 

Species Produc	t 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

Printed on: 2019-08-12 01:53:43 PM by IDIR\KVSEGIN (PROD)

		Interior St	tumpage Rate R	Requ	est Form			
Licensee		Coastal GasLink	Licence/Cutting Permit	M023	41 12	Timber Mark	MTB285	
Forest Dis	trict	DPG	Forest Zone	North	Central	Timber Supply Area	24	
Competiti Authority	ve Cutting	Yes No 🛛	Effective/Expiry Date	201	5-05-27	Area (ha)	175.3	
IAM Sec.		tion Method (Check 1 B viculture and/or Bonus			Volume Estimates In Com volume estimate was derive			1
6.1.1	Community	djusting - redetern y Forest Agreement -Au			Total Coniferous Volume:	29900	m³	1
6.1.2	Woodlot Li Table 6-2	Table 6-2 cences – August 1 (CP, 1	BSP or RP)		Total Deciduous Volume	300	$m^3$	
6.1.3		Conifer in Deciduous Le	eading Stands – June 1					
6.3	Road Timbe	it Stumpage Rates – Juner Marks with an eligible  ) -Associated Licence			Silviculture (refer to attac	thed procedures)		1
6.4.2	Blanket Sal (Scale Based	vage Cutting Authoritied) - June 1 Table 6-4	es - Licences with an AAC		Silviculture Responsibility:			1
6.4.3		nt – June 1 Table 6-4a	norities – redetermine per	-				-
0.1.5	IAM 6.4.3(	7) Table 6-6	outting Authority Data Sheet		Crown License Apply Silviculture Levy -	e 🗌 N/A		
6.7	Licences to basic silvicu	lture cost for the forest re		Ø	Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	eciduous:	
6.8	Conifer saw	Recreation Areas (CRA log average rate for contr	rolled recreation areas		Silviculture Levy: \$	per m <sup>3</sup>		
511/6	T	ed for term and all						4
5.1.1 (5)	TSM Reque	ked or Partially Harvest sted Rate	ed Timber		Bonus Section (attach sign	ned Tender form)		1
6.2		thorities With 5000 m <sup>3</sup>						1
(1)		wlog Stumpage Rate Ta	able 6-1		Bonus Offer :	Bonus Bid:	]	
(2)	Intermedia: If VCU, atta	ich approved form			Amount: \$	\$/m <sup>3</sup>		
6.2.1		pecific Purposes (No Vo	olume Limit)	1	Apply bonus bid:			1
(1)(a)	Community	ded to highest bidder. wildfire protection, or re- tions or natural stands (att	moving damaged timber tach approved VCU form)		Grades 1 & 2:□, Grade 4:[	☐Grade 6:☐, Dec	ciduous:	
(1)(c)	Direct award FLTC issued wildfire prot (i) Ta	d to lowest bidder on a co tection able 6-1 rates	oved VCU form) rildfire protection, or, for		Authority  Licence Representative Aaron Weaver  Signature and Seal (if appli	A ONAS	July 1	16.15
(1)(d)	Direct award	wn, fire, disease, snow portion of the lower transfer to the lower transfer transfer from nature transfer trans	est bidder on a contract for		RPF#4321			(4)
(1)(e)	Timber will	be chipped or hogged on	site. Table 6-7		Date 2019-08-08			1
6.4.1	Damaged T fire, disease, Clearcut ≤5h	snow press, or pest) Tab ha: or Stocked stand p	damaged by blow down, le 6-4		District Review Officer			'.
(5) (i)	Post Harves	nt Table 6-4a st Material – (wood culv due) Table 6-5	erts and bridges, or post		Signature			_
6.4.4	BCTS Salva	age TSL (attach prorated	Table 6-4 data sheet)					l
6.5	Authority C	Partially Harvested Tir Other than a Cutting Au TS Licence			Field Verified Yes N	lo 🗌		
	If VCU, atta	3 yrs ☐ ≤ 3yrs ☐ ch approved form			Date			]
	attach appro	ved form	s □ < 3yrs □ If VCU,		Regional Revenue Section	Employee		1
6.6	Species:	Product:			Signature	0		
6.7	in conjunction	Cut - FLTC issued under on with a BCTS contract. basic silviculture cost for			Date July 12	2/19		
Comme		41		D.C.	, ,			1
Pipeline Pe	ermit (Section 2	) for the areas of the pern	nit within the Prince George	Natural F	data. This rate request pertain desource District.	is to the Coastal Ga	asLink Project -	

Revised March 20, 2018

· Application Home
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.
mans that start with the value entered and meets all the other chiefla entered.
District: Mgmt Unit:
File ID: CP: Timber Mark: MTB285
File Type:   Mark Status:
Client Number: Client Name:
Client Type:
Issue Date From: Expiry Date To: To:
Salvage Type: Zone:
Drivete Mark Criteria
Private Mark Criteria
Certificate: Only Private Marks
Land District:   Primary ID:   Primary ID:
Primary Detail:
Sort By: District Client Name File Type Search Clear
Client File Mark
District Name  Number Type ID  CP Mark Type  CP Mark Type  Expiry  Date
DBC COASTAL CASLINIK DIDELINE LTD 00166165 A44 M02344 42 MTD205
DFG COASTAL GASLINK PIPELINE LTD. 00 ATT MI02341 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>
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 L	odgepole 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:

 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



# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB382

### **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

2020-05-31

License:

**Cutting Permit:** 

Expiry Date:

15

Annual Allowable Cut: 0

M02341

Forest District: Tenure Type:

TSA/TFL:

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

2015-08-28

2020-08-31

Prince George Natural

A11 - Master Licence to Cut 24 - Prince George TSA

Appraisal Effective Date: 2019-06-01

**Appraisal Status: Confirmed** 

# **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

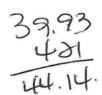
**Appraisal Status: Confirmed** 

**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		
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	



Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch Loc	dgepole 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

MO2341/15

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

TSA is Smallest Geographic Unit							
District	Rate (\$/m3)	TSA	Rate (\$/m <sup>3</sup> )				
Cascades	24.02	Lillooet	6.03				
		Merritt	27.90				
Coast Mountain (excluding North	0.43	Cascadia Blks 9,10,11	0.25				
Coast Timber Supply Area)		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 (\$/m3)	District/District Portion	Rate (\$/m3)				
Prince Coorge	29.89	Fort St. James	29.17				
Prince George	29.09	Vanderhoof	20.95				
		Cariboo Chilcotin	27.78				
Williams Lake	27.90	Williams Lake TSA Blks, A. B. C. D. E & I	12.95				

District & TSA are the same							
District	TSA	Rate (\$/m3)					
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 (\$/m³) Region		Region	Rate (\$/m3)			
		Northeast	8.20			
North	21.03	Omineca	28.02			
		Skeena	15.65			
		Cariboo	28.38			
South	23.34	Kootenay Boundary	20.81			
		Thompson-Okanagan	22.91			

F33.31

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	Wille Fille	TOHOW FIRE	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



# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB382

# **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02341

**Cutting Permit:** 

15

Annual Allowable Cut: 0

Mark Issue Date:

2015-08-28 2020-08-31

Mark Expiry Date: Mark Extend Date:

Forest District:

Prince George Natural

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 Prod	luct 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

		Geographic Unit	- · · · · · · · · · · · · · · · · · · ·
District	Rate (\$/m³)		Rate (\$/m³)
Cascades	20.26	Lillooet	1.97
		Merritt	23.61
Coast Mountain (excluding North	0.47	Cascadia Blks 9,10,11	0.35
Coast Timber Supply Area)		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

370

District/District Portion is Smallest Unit							
TSA Rate (\$/m <sup>3</sup> ) District		District/District Portion	Rate (\$/m3)				
Prince George	23.13	Fort St. James	22.36				
Prince George	23.13	Vanderhoof	20.36				
		Cariboo Chilcotin	25.48				
Williams Lake	25.48	Williams Lake TSA Blks, A, B, C, D, E & I	4.17				

District & TSA are the same						
District	TSA	Rate (\$/m3)				
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 (\$/m³) Region		Rate (\$/m³) Region					
		Northeast	Rate (\$/m <sup>3</sup> ) 5.11				
North	14.83	Omenica	20.60				
		Skeena	9.38				
		Cariboo	23.06				
South	19.64	Kootenay Boundary	17.62				
		Thompson-Okanagan	20.12				

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





Timber Mark: MTB382

## **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

**Cutting Permit:** 

Annual Allowable Cut:

M02341 15

Mark Issue Date:

2020-08-31 Mark Expiry Date:

Mark Extend Date:

Forest District: Tenure Type:

Prince George Natural Resource [ A11 - Master Licence to Cut Sec 4

TSA/TFL:

24 - Prince George TSA

**Appraisal Status: Confirmed** 

2015-08-28

Appraisal Effective Date: 2016-06-01

**Expiry Date:** 

2017-05-31

## **Non Appraised Rates**

			Reserve Rate	Silviculture Levy	Development Levy	Upset Rate	Bonus Bid	Total Rate
Species	Product	Grade	(\$/m3)	(\$/m3)	(\$/m3)	(\$/m3)	(\$/m3)	(\$/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

District	Rate (\$/m3)	Geographic Unit	Rate (\$/m3)
Cascades	21.76	Lillooet	8.49
		Merritt	23.92
Coast Mountain (excluding North	4.24	Cascadia Blks 9,10,11	3 76
Coast Timber Supply Area)		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

	District/District Portion is Smallest Unit							
TSA	Rate (\$/m³)	District/District Portion	Rate (\$/m3)					
Prince George	23.88	Fort St. James	20.45					
Fillice George	23.50	Vanderhoof	15.90					
		Cariboo Chilcotin	17.60					
Williams Lake	17.60	Williams Lake TSA Blocks, A, B, C, D, E & I	13.61					

District & TSA are the same								
District TSA Rate (\$/								
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						

<sup>\*</sup>Regional rate

Region is Smallest Unit								
Area	Rate (\$/m <sup>3</sup> )	Rate (\$/m³) Region						
		Northeast	8.94					
North	15.98	Omenica	21.33					
		Skeena	11.45					
		Cariboo	19.11					
South	20.84	Kootenay Boundary	19 52					
		Thompson-Okanagan	22.23					

MTB382

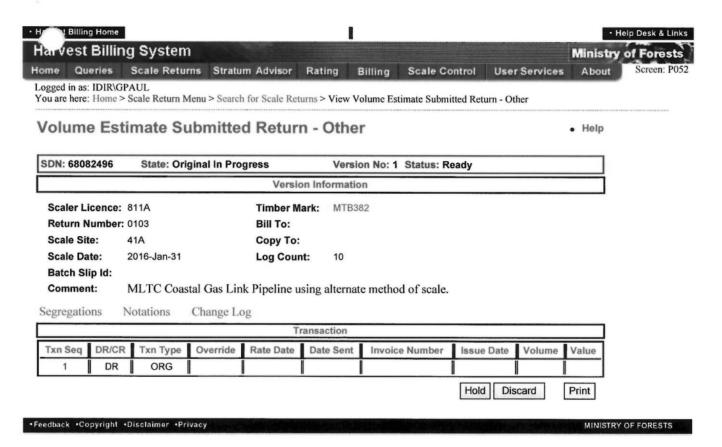
\$ 23.76

\$ 27.05

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







Timber Mark: MTB382

## **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

**Cutting Permit:** Annual Allowable Cut: M02341

15 0

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

Forest District: Tenure Type:

Prince George Natural Resource [ A11 - Master Licence to Cut Sec 4

TSA/TFL:

24 - Prince George TSA

2015-08-28

2020-08-31

**Appraisal Status: Confirmed** 

Appraisal Effective Date: 2015-08-28

**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

A STORY	HARVEST BILLING SYSTEM DATA SUMMARY												
Species		V	olume by Grad	ie (m³)	MIT TO BE	Total Volume	MICHES !	Percenta	ge by Grad	е	MESSAGE IN	Sawlog	Off Grade
Species	1	2	4	6	Z	(m³)	1	2	4	6	Z	Percentage	Percentage
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 Bil	lable Vo	olumes
STATE OF STREET	STATE OF THE PARTY.	В	ILLABLE VOLU	JME SUMMARY	Y			
Species		Volu	me by Grade (	m³)	1235	Sawlog Volume	Off Grade	<b>Total Volume</b>
Species	1	2	4	6	Z	(m³)	Volume (m3)	(m³)
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

			tumpage Rate F	•				]
Licensee	REFER T	Coastal GasLink			COMPLETING THIS FOR 341 CP 15		MTB 382	-
		Pipeline Ltd.	Licence/Cutting Permit	+	541 CF 15	Timber Mark Timber Supply		Cases
Forest Di	ive Cutting	DPG	Forest Zone	NC		Area		ce Georg,
Authority	,	Yes No No		2015	08/2x -2020/08/31	Area (ha)	0.45	J
IAM Sec.		tion Method (Check 1 I viculture and/or Bonus			Volume Estimates			
Non-adji	_	rmined annually						1
6.1.1	Community authorities)	Forest Agreement -Aug Table 6-2	gust 1 (all cutting		Total Coniferous Volume:	75.42	m <sup>3</sup>	
6.1.2	Woodlot Lic Table 6-2	ences – August 1 (CP, E	SSP or RP)		Total Deciduous Volume	0.00	m <sup>3</sup>	
6.1.3	Incidental C Table 6-3	onifer in Deciduous Le	ading Stands – June 1		In Comments Box, describe derived (refer to Procedures		stimate was	
6.3	Road Timber	Stumpage Rates – Jun Marks with an eligible I -Associated License			Silviculture (refer to attack	hed procedures)		
6.4.2		ting Authorities - Licen			Silviculture Responsibility:			
6.4.2.1	Blanket Salv Table 6-4	age Cutting Authoritie	s (Scale Based) - June 1		Crown Licensee	N/A	⊠	
6.4.2.2		Cruise Based Salvage Cu	orities – June 1 Table 6-6 atting Authority Calculation		Apply Silviculture Levy -		_	
6.7	Licences to		res – June 1 Table 6-3 + gion. Type: MLTC	$\boxtimes$	Grades 1 & 2:□, Grade 4:[	☐, Grade 6:☐, De	ciduous:	
6.8	Controlled F	Recreation Areas (CRAs og average rate for contro	s)- Anniversary Date		Silviculture Levy: \$	per m <sup>3</sup>		
	term and all							
5.1.1 (5)	TSM Request				Bonus Section (attach sign	ed Tender form)		
6.2 6.2(1)	Cutting Authorities With 5000 m³ or Less Volume Average Sawlog Stumpage Rate - Table 6-1				Bonus Offer :	Bonus Bid:		
6.2(2)	Intermediate If VCU, attack	salvage h approved form	-		Amount: \$	\$/m³		
6.2.1		ecific Purposes (No Vol	ume Limit)		Apply bonus bid:			
(1) (a)	Community w	d to highest bidder. vildfire protection, or rem ons or natural stands (atta	noving damaged timber ch approved VCU form)		Grades 1 & 2:□, Grade 4:[	Grade 6:□, Deci	iduous:	
		harvest material in landi ent done (attach approv			Authority			
(1) (c)	FLTC issued	FLTC for community wi to lowest bidder on a con			License Representative Matthew J Pilszek, RFT			
	wildfire prote (i) Tab	ction le 6-1 rates			Signature and Seal (if applic	able)		1
		naged Timber - (> 1/3 of m, fire, disease, snow pre	volume damaged by blow	H	RFT # 1954			
(1) (d)	Direct award		st bidder on a contract for		Moto	hin		
(1) (e)	Timber will b	e chipped or hogged on s	ite. Table 6-7		Date January 29, 2016			
6.4.1	Damaged Tir	ing Authorities—Licence nber - (> 1/3 of volume now press, or pest) Table	damaged by blow down,		District Review Officer			
	Clearcut ≤5ha	: or Stocked stand p	ost-harvest?		Signatura			
	Post Harvest logging residu	Material – (wood culve ie) Table 6-5	rts and bridges, or post		Signature			
6.5		Partially Harvested Tim her than a Cutting Aut 'S Licence			Field Verified Yes N	о 🗌		
		yrs			Date			
		vested Timber ≥ 3yrs	☐ < 3yrs ☐ If VCU,		Regional Revenue Section E	Employee		
6.6		s Stumpage Rates – Tal Product:	ole 6-7		Signature V	ul		
6.7	Licences to C		section 47.6(3) of the Act he forest region.		Date John 16	SIL		
Comment	s			The c'	has solven a Contilia	the bear	d thus	
query of th	ne BC VRI data	base and the alternative i	method of scaled identified for	r the Co	ber volume for this rate reques astal GasLink Pipeline Project BEOTECH-BATCH3-POSTCO	(ref: 213604). The		

Interior Stumpage Rate Request Form Procedures

Revised April 15, 2015

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

District		Geographic Unit TSA	Data (6/3)
	Rate (\$/m³)		Rate (\$/m³)
Cascades	23.54	Lillooet	3.79
		Merritt	25.93
Coast Mountain (excluding North	3.93	Cascadia Blks 9,10,11	2.16
Coast Timber Supply Area)	1	Kalum	2.16
	1	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
	1	Cascadia Blks 1,2,3	20.52
	l	Cascadia Blk. 4	15.41
	1	Golden	19.97
		Kootenay Lake	18.79
		Revelstoke	15.41
Skeena Stikine	12.37	Bulkley	15.32
		Cassiar	3.58
	1	Kispiox	12.52

District/District Portion is Smallest Unit					
TSA Rate (\$/m³) District/District Portion Rate (\$/					
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 (					
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			

<sup>\*</sup>Regional rate

Region is Smallest Unit					
Area	Rate (\$/m3)	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		

3.14

July 1, 2015

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch Loc	gepole Pine	Spruce	White Pine	Yellow Pine	Total
North	2.82	1.60	2.95	1.97	303300000	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

· Application Home			· Help
Forest Tenure Ad	ninistration (FTA)		
Search Inbox	Tenures Private Marks	Recreation Admin	
			^
Valid timber mark prov	ded. All other search criteria ignored.		
FTA002 - Timber Mar	( Search		
Note: Please enter sufficient	criteria to reduce the time it takes to sear	rch for records. It may take a while if you only enter one piece of data.	
You may enter timber mark		it. If it exists all other criteria will be ignored; otherwise, it will look for all timber	
marks that start with the vali	e entered and meets all the other criteria	a entered.	
District:	~	Mgmt Unit:	
File ID:		CP: Timber Mark: MTB382	
File Type:	~	Mark Status:	
Client Number:		Client Name:	
Client Type:	~		
Issue Date From:	То:	Expiry Date From:	
Salvage Type:	<u> </u>	Zone:	
Private Mark Criteria			
Certificate:		Only Private Marks	
Land District:	~	Primary ID:	
Primary Detail:			
Sort By: ODistrict OCI	ent Name O File Type	Search Clear	
One St. O District O Cr	ent Name O File Type		
		1 row returned	
District Name	Client File Number Type ID	- Illiber Salvage	
DRG COASTAL GASLIN			
LTD.	OUTOUTO OF ATT INC	2010-00-20 2020-00-01 Details	



## **DOCUMENT TRANSMITTAL**

Transmittal No:	CGL4703-GEOT-CGP-TR-0659	Date: Feb 5 2016

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

Received By:	Date:

## 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	



Transmittal No:	Trans-0659	Date: 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 TransCanada PipeLines Limited 450 – 1st Street S.W. Calgary, AB, Canada T2P 5H1

Tel: 403-920-8134 Fax: 403-920-2371

**Email:** <u>katherine sheriff@transcanada.com</u> **Web:** <u>www.transcanada.com</u>

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 <a href="matt.pilszek@geoterra.net">matt.pilszek@geoterra.net</a>.

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, TI 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:

- Cover Letter
- 2. Transmittal Letter
- 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

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.

Client Number:

00166165

License:

M02341

**Cutting Permit:** 

18 Annual Allowable Cut: 0

Mark Issue Date:

2016-08-02 2020-08-31

Mark Expiry Date:

Mark Extend Date:

Forest District: Tenure Type: TSA/TFL:

Prince George Natural A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

24 - Prince George TSA

Appraisal Effective Date: 2019-06-01

Expiry Date:

2020-05-31

# **Non Appraised Rates**

	15.15			
	15.15			
BA 1 4	10.10		45.15	45.15
BA 2 4	15.15	,	45.15	45.15
CE 1 4	15.15	,	45.15	45.15
CE 2 4	15.15		45.15	45.15
FI 1 4	15.15		45.15	45.15
FI 2 4	15.15		45.15	45.15
HE 1 4	15.15		45.15	45.15
HE 2 4	15.15		45.15	45.15
LA 1 4	15.15		45.15	45.15
LA 2 4	15.15		45.15	45.15
LO 1 4	15.15		45.15	45.15
LO 2 4	15.15		45.15	45.15
SP 1 4	15.15		45.15	45.15
SP 2 4	15.15		45.15	45.15
WH 1 4	15.15		45.15	45.15
WH 2 4	15.15		45.15	45.15
YE 1 4	15.15	,	45.15	45.15
YE 2 4	15.15		45.15	45.15

Printed on: 2019-08-12 01:52:16 PM by IDIR\KVSEGIN (PROD)

Compensive Carting   DPG				umpage Rate R	1				
Acres   Acre	Licensee		Coastal GasLink Ltd.	Licence/Cutting Permit	M023	41 18		MTB708	
Authority   You   No   Ed   Microwelsupry Tuble	Forest Dis	strict	DPG	Forest Zone	North	Central		24	
Control Cont			Yes No 🛛	Effective/Expiry Date	20	16-08-02	Area (ha)	20.95	
6.1.1   Community Forcet Agreement - August 1 (all cutting alphorites) Table 6-2   m²    6.1.2   Woodfel Licences - August 1 (CP, BSP or RP)									
6.12   Weedle Licenses - August 1 (CP, BSP or RP)									
6.1.3   lacidated Confer in Decidosous Leading Stands – Jane 1        3.3   Road Permit Stumpage Rates – June 1 (Including Woodlor Road Timber Mark with an cligible ERA)      4.4   Rather Stavage Cutting Authorities – Liences with an AAC      4.5   280% Burn – June 1 Table 6-43	6.1.1			gust 1 (all cutting		Total Coniferous Volume:	2	m³	
Silviculture (refer to attached procedures)   Silviculture (refer	6.1.2		cences - August 1 (CP, I	BSP or RP)		Total Deciduous Volume	2	m³	
Road Tunber Marks with an eligible ERA     ISee. 05.07. Associated Letence	6.1.3	Incidental (	Conifer in Deciduous Le	ading Stands – June 1					
Blanket Salvage Cutting Authorities - Licences with an AAC   Sole Based - Janue   Table 6-4   Seave Based - Janue   Table 6-4   Cleaned State   Cutting Authorities - redetermine per   LAM 6.4.3() Table 6-6   and required Cruise Based Salvage Cutting Authority Data Sheet   Crage 3)   Apply Shiviculture Levy - Grade 1 & 2   Grade 6   Deciduous   Data Sheet   Crage 3)   Grade Shive   Crage 3   Shive Cutting Authority Data Sheet   Crage 3   Grade Shive Control of the Forest region. Type MLTC   Grade 1 & 2   Grade 6   Deciduous   Shiviculture Levy - Grade 1 & 2   Grade 6   Deciduous   Shiviculture Levy - Grade 1 & 2   Grade 6   Deciduous   Deciduous   Shiviculture Levy - Grade 1 & 2   Grade 6   Deciduous   D	6.3	Road Timbe	er Marks with an eligible I			Silviculture (refer to attac	ched procedures)		
(4) ≥ 89% Burnt – June 1 Table 6-4a  6.4.3 Cruise Based Salvage Cutting Authorities – redetermine per LAM 6.4(3)? Table 6-4  6.4.4 (A)(7) Table 6-4  6.5.2 Litensee Board Salvage Cutting Authority Data Sheet Page 3).  6.6.3 Litensee for Cut-Non-Forestry Tenures – June 1 Table 6-3 basic silviculture cost for the forest region. Type MLTC Confect sawlog average rate for controlled recreation areas  Fixed for terms (CRA) – Anna and all extensions  5.1.1(5) BCTS Decked or Partially Harvested Timber TSM Reguested Rate  6.2 Cutting Authorities With 5000 m² or Less Volume  6.1 PLTC for Specific Parties (No Volume Limit)  6.2.1 PLTC for Specific Parties (No Volume Limit)  6.2.2 Intermediate salvage HYCU, attuch approved form  6.2.1 PLTC for Specific Parties (No Volume Limit)  6.2.2 Literacy (Community wildfice protection, or removing damaged imber from plantations or natural stands (attach approved VCU form)  6.2.1 PLTC for Specific Parties (No Volume Limit)  6.2.2 Distance and Parties (No Volume Limit)  6.3 Distance and Parties (No Volume Limit)  6.4.1 Distance and Parties (No Volume Limit)  6.5 Distance and Parties (No Volume Limit)  6.6.2 Distance and Parties (No Volume Limit)  6.7 Distance and Parties (No Volume Limit)  6.8 Distance and Parties (No Volume Limit)  6.9 Distance and Par	6.4.2	Blanket Sal	vage Cutting Authoritie	s - Licences with an AAC	$\Box$	Silviculture Responsibility			
6.4.3   Cruise Based Salvage Cutting Authorities - redetermine per land required Cruise Based Salvage Cutting Authority Data Sheet   Apply Silviculture Levy -   6.7   Licences to Cut-Non-Forestry Tenures — June 1 Table 6-3 + basis diviculture cost for the forest region. Type MLTC   6.8   Controlled Recreation Areas (CRAs) - Anniversary Date   Confer swolg exerge arise for controlled recreation areas   Silviculture Levy: Silviculture Cost for for the forest region. Type MLTC   6.8   Confer swolg exerge arise for controlled recreation areas   Silviculture Levy: Silviculture Levy	(4)		•					- 1	
and required Cruise Based Salvage Cutting Authority Data Sheet (Page 5)  6.7 Licences to Curl-Non-Forestry Tenures - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC  6.8 Controlled Recreation Areas (CRAs)- Anniversary Date Confer swhog average net for controlled recreation areas    Fixed for term and all extensions		Cruise Base	ed Salvage Cutting Auth	orities – redetermine per					
basic silviculture cost for the forest region. Type. M.T.C   Selected   Sel		and required		utting Authority Data Sheet			ee N/A		
Silviculture Levy: S   per m²	6.7	Licences to	Cut-Non-Forestry Tenu	res - June 1 Table 6-3 +	M	Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	eciduous:	
Signature and Seal (if applicable)   Signature   Sig	6.8	Controlled	Recreation Areas (CRA	s)- Anniversary Date		Silvicultura Lauru 6	par m³		
Bonus Section (attach signed Tender form)						Silviculture Levy: \$	per III		
Average Sawleg Stumpage Rate Table 6-1		BCTS Deck	ed or Partially Harveste			Bonus Section (attach sign	ned Tender form)		
Canal						D Off	D   D:1		
If VCU, attach approved form				Die 6-1				1	
Community wildfire protection, gremoving damaged timber from plantations or natural stands (attach approved VCU form)   Grades 1 & 2:  , Grade 4:  Grade 6:  , Deciduous:	(2)								
Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)  (1) (c)   Compared 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    Direct award FLTC issued to the lowest bidder on a contract for community wildfire protection (ii) Table 6-1 rates (iii) Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4    Direct award FLTC issued to the lowest bidder on a contract for community and provided timber from natural stands or plantations		FLTC award Community	led to highest bidder. wildfire protection, or rer	noving damaged timber			☐Grade 6:☐, Dec	iduous:	
(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  (1) (d)   Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations (1) (e)   Timber will be chipped or hogged on site. Table 6-7    Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-7    Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4    Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4   Damaged Timber - (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest) Table 6-4   Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-4   Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-4   BCTS Salvage TSL (attach prorated Table 6-4 data sheet)   Date     BCTS Salvage TSL (attach prorated Table 6-4 data sheet)   Date     Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Cother than a Cutting Au		Utilizing pos	st harvest material in land	ings or at roadside after		Authority			
(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    Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations (1) (e) Timber will be chipped or hogged on site. Table 6-7    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 Sha:	(1)(c)	Direct award	FLTC for community will to lowest bidder on a con	ildfire protection, or, for			1 1	()	
down, fire, disease, snow press, or pest) Table 6-4   RPF#4321		(i) Ta	ble 6-1 rates	f volume damaged by blow		Signature and Seal (if appli	TOMA:	Signi	45.15
(1) (c) Timber will be chipped or hogged on site. Table 6-7	(1) (d)	do	wn, fire, disease, snow pr	ess, or pest) Table 6-4			cable) [	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:	(1) (e)	removing da	maged timber from natura	al stands or plantations		Date 2019-08-09			
fire, disease, snow press, or pest) Table 6-4 Clearcut ≤5ha: □ or Stocked stand post-harvest? □ ≥ 80% Burnt Table 6-4a  Post Harvest Material - (wood culverts and bridges, or post logging residue) Table 6-5  6.4.4 BCTS Salvage TSL (attach prorated Table 6-4 data sheet)  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 □ ≤ 3yrs □ □ □ Date  If VCU, attach approved form  Partially Harvested Timber ≥ 3yrs □   slf VCU, attach approved form  Partially Harvested Timber ≥ 3yrs □   Signature  6.6 Miscellaneous Stumpage Rates Table 6-7 Species: Product:  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.						Date 2017-00-07			/
Post Harvest Material – (wood culverts and bridges, or post logging residue) Table 6-5  6.4.4 BCTS Salvage TSL (attach prorated Table 6-4 data sheet)  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		fire, disease,	snow press, or pest) Tabl	e 6-4		District Review Officer			L
logging residue) Table 6-5   6.4.4   BCTS Salvage TSL (attach prorated Table 6-4 data sheet)	(5) (i)				<u>-</u> -	6:			
Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence  Decked > 3 yrs				erts and bridges, or post		signature			
Authority Other than a Cutting Authority Entered into Under a BCTS Licence    Decked > 3 yrs								- 1	
If VCU, attach approved form  Partially Harvested Timber ≥ 3yrs	0.5	Authority O	ther than a Cutting Aut			Field Verified Yes N	No 🗌		
Partially Harvested Timber ≥ 3yrs						Date			
Species: Product:  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.		Partially Ha	rvested Timber ≥ 3yrs	☐ < 3yrs ☐ If VCU,		Regional Revenue Section	Employee		
in conjunction with a BCTS contract.  Table 6-3 + basic silviculture cost for the forest region.	6.6			le 6-7		Signature	9		
	6.7	in conjunction	on with a BCTS contract.	, ,		Date	119		
	Comme		basic silviculture cost for	me forest region.		M. 10			

Revised March 20, 2018

· 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 or	nly 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 marks that start with the value entered and meets all the other criteria entered.	
mans that start with the value entered and meets all the other chiefla entered.	
District: Mgmt Unit:	I
File ID: CP: Timbe	er Mark: MTB708
File Type:   Mark Status:	~
Client Number: Client Name:	
Client Type:	
Issue Date From: Expiry Date From:	То:
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	
Olivet	1 row returned
Client File Timber Salvage Outstand O	Mark tatus lacus Data Expiry
District Name Number Type ID Timber Salvage Certificate S	Date Date
DPG COASTAL GASLINK PIPELINE LTD. 00166165 A11 M02341 18 MTB708 H	II 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	\$/m³
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

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch L	odgepole 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

 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



# Ministry of Forests, Lands, and Natural Resource Operations

Timber Mark: MTB718

# **Timber Mark Appraisal Summary**

**General Information** 

Client: Client Number: COASTAL GASLINK PIPELINE LTD.

00166165

License:

M02341

**Cutting Permit:** 

19 Annual Allowable Cut: 0

Mark Issue Date:

2016-09-16 Mark Expiry Date: 2020-08-31

Mark Extend Date:

Forest District:

Tenure Type: TSA/TFL:

Prince George Natural A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

24 - Prince George TSA

Appraisal Effective Date: 2019-06-01

Expiry Date:

2020-05-31

## **Non Appraised Rates**

Species F	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

Printed on: 2019-08-12 01:55:19 PM by IDIR\KVSEGIN (PROD)

		Interior St	umpage Rate R	eque	est Form				
Licensee		Coastal GasLink Ltd.	Licence/Cutting Permit	M0234	11 19	Timber Mark	MTB718		
Forest Dis	trict	DPG	Forest Zone	North	Central	Timber Supply Area	24		
Competitiv	ve Cutting	Yes No 🛇	Effective/Expiry Date	201	6-09-16	Area (ha)	3.28		
IAM Sec.		tion Method (Check 1 B viculture and/or Bonus			Volume Estimates In Convolume estimate was derive				
		djusting - redetern							
6.1.1	Community authorities)	y Forest Agreement -Au Table 6-2	gust 1 (all cutting		Total Coniferous Volume:	2	m <sup>3</sup>		
6.1.2	Woodlot Li Table 6-2	icences - August 1 (CP, I	BSP or RP)		Total Deciduous Volume	2	$m^3$		
6.1.3	Incidental C Table 6-3	Conifer in Deciduous Le	ading Stands – June 1						
6.3	Road Timbe	nit Stumpage Rates – Juner Marks with an eligible 7) -Associated Licence			Silviculture (refer to attac	ched procedures)			
6.4.2	Blanket Sa		es – Licences with an AAC		Silviculture Responsibility				
(4)		nt – June 1 Table 6-4a							
6.4.3			orities – redetermine per	1	_				
		7) Table 6-6 d Cruise Based Salvage C	utting Authority Data Sheet		Crown Licenson  Apply Silviculture Levy -	ee  N/A	$\boxtimes$		
6.7	Licences to	Cut-Non-Forestry Tenu	res – June 1 Table 6-3 +		Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	eciduous:		
6.8	Controlled	Recreation Areas (CRA	s)- Anniversary Date		Silviculture Levy: \$	per m <sup>3</sup>			
		ed for term and all							
5.1.1 (5)	BCTS Decl	ked or Partially Harvest ested Rate	ed Timber		Bonus Section (attach signed Tender form)				
6.2		thorities With 5000 m <sup>3</sup> on wlog Stumpage Rate Ta			Bonus Offer :	Bonus Bid:	]		
(2)	Intermedia	te salvage			Amount: \$	\$/m <sup>3</sup>			
		ach approved form							
6.2.1 (1) (a)	FLTC awar	Specific Purposes (No Vo ded to highest bidder. wildfire protection, or re tions or natural stands (att			Apply bonus bid:  Grades 1 & 2:□, Grade 4:□Grade 6:□, Deciduous:□				
	Utilizing po	ost harvest material in land sment done (attach appro	lings or at roadside after		Authority				
(1) (c)	Direct awar FLTC issue wildfire pro	d FLTC for community w d to lowest bidder on a contection	rildfire protection, or, for		Licence Representative Aaron Weaver	Amas (	Chan s		
	(ii) D		f volume damaged by blow		Signature and Seal (if apple	icable)	you		
(1) (d)	Direct awar	own, fire, disease, snow p d FLTC issued to the low amaged timber from natur	est bidder on a contract for	H	RPF#4321				
(1) (e) 6.4.1	Timber will	be chipped or hogged on	site. Table 6-7		Date 2019-08-09				
0.4.1	Damaged T fire, disease		damaged by blow down, ele 6-4		District Review Officer				
(5) (i)	Post Harve	nt Table 6-4a est Material – (wood culv	erts and bridges, or post	-	Signature				
6.4.4		due) Table 6-5 age TSL (attach prorated	Table 6-4 data cheet	-					
6.5		d Partially Harvested Ti		-					
	Authority ( Under a Bo	Other than a Cutting Au CTS Licence			Field Verified Yes 🔲	No 🗌			
	If VCU, atta	3 yrs			Date	3			
	Partially H attach appro		s □ < 3yrs □ If VCU,		Regional/Revenue Section	Employee			
6.6	Miscellane Species:	ous Stumpage Rates Tal Product:	ble 6-7		Signature	79			
6.7	in conjuncti	Cut - FLTC issued under ion with a BCTS contract. basic silviculture cost for			Date aug.	12/19			
Comme						1,			
		ate for this rate request was eastal GasLink Pipeline Pr	as developed through a query oject. (Laydown 16)	or the B	VKI database. This rate				

45.

Revised March 20, 2018

· 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: Mgmt Unit:	
File ID: CP: Timber Mark: MTB718	
File Type:   Mark Status:	
Client Number: Client Name:	
Client Type:	
From: From: To: To: Land 1533	
Salvage Type: Zone:	
Private Mark Criteria	
Certificate: Only Private Marks	
Land District:	
Primary Detail:	
Sort By:   District Client Name File Type  Search Clear	
1 row returned	
Client File Mark  District Name Number Type ID Timber Salvage Certificate Status Issue Date Date Date  Expiry Date	
00400405	
DPG COASTAL GASLINK PIPELINE LTD. 00 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>
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

Basic Silviculture Costs (\$/m3)

Area	Balsam	Cedar	Fir	Hemlock	Larch Lo	odgepole 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

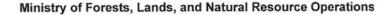
 From:
 Gobin, Linda S FLNR:EX

 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.

Client Number:

00166165 M02342

License:

**Cutting Permit:** 

Annual Allowable Cut:

3 0

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

Forest District:

Tenure Type:

Vanderhoof Natural Resource Dist A11 - Master Licence to Cut Sec 4

TSA/TFL:

24 - Prince George TSA

**Appraisal Status: Confirmed** 

2014-08-15

2016-08-14

Appraisal Effective Date: 2015-05-12

Expiry Date:

2016-05-11

## Non Appraised Rates

C	Desdesd	Crada	Reserve Rate	Silviculture Levy	Development Levy	Upset Rate	Bonus Bid	Total Rate
Species	Product	Grade	(\$/m3)	(\$/m3)	(\$/m3)	(\$/m3)	(\$/m3)	(\$/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



Forest Zone  Timber Supply Area  24  Competitive Cutting Authority?  Yes  No  Effective Date (Ministry Staff)  Expiry Date (Ministry Staff)  Expiry Date (Ministry Staff)  Expiry Date (Ministry Staff)  Competitive Cutting Authority?  Yes  No  Expiry Date (Ministry Staff)  Expiry Date (Ministry Staff)  Competitive Cutting Authority?  Yes  No  Expiry Date (Ministry Staff)  Expiry Date (Ministry Staff)  Competitive Cutting Authority?  Younne Estimates  Volume Estimates  Volume Estimates  Volume Estimates  Volume Estimates  Total Coniferous Volume.  Total Coniferous Volume.  Total Deciduous Volume.  Total Deciduous Volume.  In Comments Box, describe to estimate was derived (refer to stanch Silviculture Marks with an eligible ERA)  If Sec. 6.3(5) -Associated License  6.3 Blanket Salvage Cutting Permit – June 1  Table 6-3 + basic silviculture cost for the forest region. Type: MLTC  6.8 Controlled Recreation Areas (CRAs)-Anniversary Date  Fixed for term and all extensions  5.1.1 (4) BCTS Decked or Partially Harvested Timber TSM Requested Rate  6.2.1 Intermediate salvage If VCU, attach approved form  6.2.1 FLTC for Specific Purposes (No Volume Limit)  ELTC awarded to highest bidder.  Community wildfire protection, gr removing damaged timber from plantations or natural stands (attach approved VCU form)  Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)  Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)  Utilizing post harvest material in landings or at roadside after erromoving damaged timber from natural stands or plantations  (1) (a) Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations  (1) (b) Timber will be chipped or hogged on site.  Salvage Timber Stumpage Rate – No AAC  District Review.Officer	60 110	
Timber Supply Area   24   Area (ha)   Cornest Zone   NC   Timber Supply Area   24   Area (ha)   Cornest Zone   NC   Area (ha)   Cornest Zone   Cornest Zone   NC   Area (ha)   Cornest Zone   Cornest Zone	A 716 0 (4 08 15	
Area (ha)   Area	14/08/15	
Timber Supply Area  24  Competitive Cutting Authority? Yes	14/08/15	
Competitive Cutting Authority?   Yes   No	1	
AM Sec	5/08/14	
Silviculture and/or Bonus Section (1.Applicable		
Call cutting authorities		
In Comments Box, describe he stimate was derived (refer to Road Timber Marks with an eligible ERA)   In Comments Box, describe he stimate was derived (refer to Road Timber Marks with an eligible ERA)   If Sec. 6.3(5) - Associated License   If Sec. 6.3(5) - Associated License   If Bable 6.3 + basic silviculture cost for the forest region. Type: MLTC   Itable 6.3 + basic silviculture cost for the forest region. Type: MLTC   Itable 6.3 + basic silviculture cost for the forest region. Type: MLTC   Itable 6.3 + basic silviculture cost for the forest region. Type: MLTC   Itable 6.3 + basic silviculture cost for the forest region. Type: MLTC   Itable 6.4 region   Italy Silviculture Responsibility: Crown:	10 r	
Silviculture (refer to attach   Silviculture (refer to attac		
Road Timber Marks with an eligible ERA   If Sec. 6.3(5) - Associated License   Silviculture (refer to attach		
6.3 Blanket Salvage Cutting Permit - June 1 Table 6-3 + basic silviculture cost for the forest region. Type: MLTC  6.8 Controlled Recreation Areas (CRAs)- Anniversary Date  Fixed for term and all extensions  5.1.1 (4) BCTS Decked or Partially Harvested Timber TSM Requested Rate  6.2 (1) Average Sawlog Stumpage Rate - Table 6-1  6.2.2 Intermediate salvage If VCU, attach approved form  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)  (1) (c) Direct award FLTC for community wildfire protection, gr, 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  (1) (d) Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations  (1) (e) Timber will be chipped or hogged on site.  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: or Stocked stand post-harvest?  Post Harvest Material - Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs	ed procedures)	
Table 6-3 + basic silviculture cost for the forest region. Type: MLTC  6.8 Controlled Recreation Areas (CRAs)- Anniversary Date  Fixed for term and all extensions  5.1.1 (4) BCTS Decked or Partially Harvested Timber TSM Requested Rate  6.2 (1) Average Sawlog Stumpage Rate - Table 6-1  6.2.2 Intermediate salvage If YCU, attach approved form  6.2.1 FLTC for Specific Purposes (No Volume Limit)  (1) (a) FLTC awarded to highest bidder. Community wildfire protection, gr removing damaged timber from plantations or natural stands (attach approved VCU form)  Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)  (1) (c) Direct award FLTC for community wildfire protection, gr, 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  (1) (d) Direct award FLTC for community wildfire protection  (i) remove a contract for removing damaged timber from natural stands or plantations  (1) (e) Timber will be chipped or hogged on site.  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 ≤Sha: □ or Stocked stand post-harvest? □  Post Harvest Material - Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked >3 yrs □ < 3ys □    Field Verified Yes □ No Date  Partially Harvested Timber  >3 yrs □ < 3ys □    Regional Revenue Section Emp		
Controlled Recreation Areas (CRAs)-   Anniversary Date   Craw and all extensions	n/a:⊠	
Fixed for term and all extensions   Silviculture Levy: \$ p	Apply Silviculture Levy: Grades 1 & 2:,	
Silviculture Levy: \$ p		
Sonus Section (attach signs	per m³	
If VCU, attach approved form	ed Tender form)	
6.2.1   FLTC for Specific Purposes (No Volume Limit)   Amount: \$ or Apply bonus bid: Grades 1   Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)   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 - Table 6-4 rates   Date (iii) Damaged Timber from natural stands or plantations   Date		
(1) (a)    FLTC awarded to highest bidder.   Community wildfire protection, or removing damaged timber from plantations or natural stands (attach approved VCU form)    Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)    (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   □	_	
Utilizing post harvest material in landings or at roadside after waste assessment done (attach approved VCU form)  (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  (1) (d) Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations (1) (e) Timber will be chipped or hogged on site.  5alvage 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: □ or Stocked stand post-harvest? □  Post Harvest Material − Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs □ < 3ys □ □  If VCU, attach approved form  Partially Harvested Timber  > 3 yrs □ < 3ys □ □  Regional Revenue Section Emp	Apply bonus bid: Grades 1 & 2: , Grade 4:	
(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  Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations  (1) (e) Timber will be chipped or hogged on site.  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: or Stocked stand post-harvest? Decked > 3 yrs or post logging residue)  6.5 Decked > 3 yrs or post logging residue)  6.6 Decked > 3 yrs or post logging residue)  Partially Harvested Timber  > 3 yrs   Ratinew J Pilszek, RFT  Signature and Seal (if applicable RFT # 1954  Date  April 2, 2015  District Review.Officer  District Review.Officer  Field Verified Yes No Date  Partially Harvested Timber  RFT # 1954  Signature and Seal (if applicable RFT # 1954  Signature April 2, 2015  Date  District Review.Officer  Field Verified Yes No Date  Partially Harvested Timber  RFT # 1954  Regional Revenue Section Emptores  Regional Revenue Section Emptores  Regional Revenue Section Emptores  RET # 1954  Regional Revenue Section Emptores  Signature and Seal (if applicable RFT # 1954  Signature April 2, 2015  Date  April 2, 2015		
(ii) Damaged Timber - Table 6-4 rates    Direct award FLTC issued to the lowest bidder on a contract for removing damaged timber from natural stands or plantations   Damaged Timber Stumpage Rate − No AAC	4	
a contract for removing damaged timber from natural stands or plantations  (1) (e) Timber will be chipped or hogged on site.  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: or Stocked stand post-harvest?  Post Harvest Material – Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs	pin	
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: □ or Stocked stand post-harvest? □  Post Harvest Material — Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs □ < 3ys □ □  If VCU, attach approved form  Partially Harvested Timber  > 3 yrs □ < 3ys □  Regional Revenue Section Emp		
Damaged Timber - Table 6-4 (> 1/3 of volume damaged by blow down, fire, disease, snow press, or pest)  Clearcut ≤5ha: □ or Stocked stand post-harvest? □  Post Harvest Material - Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs □ < 3ys □ □  If VCU, attach approved form  Partially Harvested Timber  > 3 yrs □ < 3ys □  Regional Revenue Section Emp		
Post Harvest Material – Table 6-5 (wood culverts and bridges, or post logging residue)  6.5 Decked > 3 yrs	ddleton	
6.5 Decked > 3 yrs	<b>Z</b>	
Partially Harvested Timber  > 3 yrs	- 1	
> 3 yrs	13	
	nlovee	
	no jec	
6.6 Miscellaneous Stumpage Rates - Table 6-6 Signature		
Species: Product:		
47.6(3) of the Act in conjunction with a BCTS contract.  Table 6-3 + basic silviculture cost for the forest region.		
Comments	AN ALLEGATION OF THE	
The timber volume for this rate request has been estimated through a combination of ocular estimates and a Forest Professional. The Coastal GasLink document number for this rate request is Doc# CGE4703-GEC GEOTECH-DVA-ISRR. This rate request is being submitted in conjunction with the Post Construction Pl Doc# CGW4703-MCSL-G-MP-491, CGW4703-MCSL-G-MP-492, CGW4703-MCSL-G-MP-493, CGW4703-MCSL-G-MP-495, CGW4703-MCSL-G-MP-496, and CGW4703-MCSL-G-MP-497	·	

· Application Home			· Help		
Forest Tenure Administration (FTA)					
Search Inbox Tenur	es Private Marks Recrea	tion Admin			
<ul> <li>Valid timber mark provided. All c</li> </ul>	other search criteria ignored.				
FTA002 - Timber Mark Searc	.h				
FIA002 - Tilliber Mark Searc					
		ords. It may take a while if you only enter one			
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:	NTA740		
File ID:	J	CP: Timber Mark:	M1A/16		
File Type:		Mark Status:			
Client Number:		Client Name:			
Client Type:		Expiry Date			
From:	То:	Expiry Date To:	29		
Salvage Type:		Zone:			
Private Mark Criteria					
Certificate:		Only Private Marks			
Land District: Primary ID:					
Primary Detail:					
Sort Buy & During & Or and During	e C File Type Search	Clear	_		
Sort By: District Client Name	File Type	Oldar			
			1 row returned		
Client District Name		Timber Salvage  Mark  Mark  Type  Certificate Status Issu	-		
DVA COASTAL GASLINK PIPELII			-08-15 2016-08-14 Details		

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

		Geographic Unit	T - (A) 3
District	Rate (\$/m3)	TSA	Rate (\$/m3)
Cascades	17.58	Lillooet	6.22
		Merritt	19.40
	3.69	Cascadia Blks 9,10,11	3.40
Coast Mountain (excluding North		Kalum	3.40
Coast Timber Supply Area)		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 (\$/m3)	District	Rate (\$/m3)
Prince George	21.19	Fort St. James	16.70
		Vanderhoof	11.41
Williams Lake	21.03	Cariboo Chilcotin	23.62
		Former Chilcotin	1.39

Distr	ict & TSA are the same	
District	TSA	Rate (\$/m3)
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

<sup>\*</sup>Regional rate

	Regi	on is Smallest Unit	
Area	Rate (\$/m3)	Region	Rate (\$/m3)
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

6-11 July 1, 2014

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

Southern Interior

4.34

6.01

Basic Silviculture Costs (\$/m3) White Pine Fir Hemlock Larch Lodgepole Pine Spruce Yellow Pine Total Balsam Cedar Region 3.41 3.20 3.02 1.63 3.27 Northern Interior 2.82 1.57 4.08 2.50 4.84 5.81 5.22 3.75 5.61 3.71

Timber Pricing Branch Verified by: 
 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



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

Timber Mark: MTB443

### **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02343

**Cutting Permit:** 

10

Annual Allowable Cut: 0

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

Forest District:

Nadina Natural Resource A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

Tenure Type: TSA/TFL:

20 - Morice TSA

2016-04-29

2020-08-31

Appraisal Effective Date: 2018-06-01

**Expiry Date:** 

2019-05-31

### Non Appraised Rates

Species Produ	uct 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

Printed on: 2019-02-20 09:26:58 AM by IDIR\KVSEGIN (PROD)

2018-06-01

		Interior S	tumpage Rate R	Reque	est Form		
Licensee		Coastal GasLink Pipeline Ltd.	Licence/Cutting Permit	M0234	13 10	Timber Mark	MTB443
Forest Dis	trict	DND	Forest Zone	North	Central	Timber Supply Area	20
Competitiv Authority	ve Cutting	Yes No 🛛	Effective/Expiry Date	201	6-04-29	Area (ha)	155.1
IAM Sec.		tion Method (Check 1 l viculture and/or Bonus			Volume Estimates In Com volume estimate was derive		
(11		djusting - redeteri	The same of the sa		T-10 '6 V.	20.205	2
6.1.1	authorities)				Total Coniferous Volume:	30,205	m³
6.1.2	Woodlot Li Table 6-2	icences – August 1 (CP,	BSP or RP)		Total Deciduous Volume	10	m <sup>3</sup>
6.1.3	Table 6-3	Conifer in Deciduous L	eading Stands – June 1				
6.3	Road Timbe	it Stumpage Rates – Ju er Marks with an eligible 7) -Associated Licence	nne 1 (Including Woodlot ERA)		Silviculture (refer to attac	ched procedures)	
6.4.2	Blanket Sa		ies - Licences with an AAC		Silviculture Responsibility:		
(4)		nt – June 1 Table 6-4a					
6.4.3		ed Salvage Cutting Aut 7) Table 6-6	horities – redetermine per		Crown  License	ee 🗆 N/A	×
			Cutting Authority Data Sheet		Apply Silviculture Levy -		Δ
6.7	Licences to	Cut-Non-Forestry Ten	region. Type: MLTC		Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	ciduous:
6.8		Recreation Areas (CRa log average rate for con			Silviculture Levy: \$	per m <sup>3</sup>	
5 1 1 (5)	-	ed for term and a					
5.1.1 (5)	TSM Reque				Bonus Section (attach sign	ned Tender form)	
6.2		thorities With 5000 m <sup>3</sup> wlog Stumpage Rate			Bonus Offer :	Bonus Bid:	]
(2)	Intermedia If VCU, atta	te salvage		-	Amount: \$	\$/m³	
6.2.1		Specific Purposes (No V	olume Limit)		Apply bonus bid:		
(1) (a)	Community		emoving damaged timber ttach approved VCU form)		Grades 1 & 2:□, Grade 4:	☐Grade 6:☐, Dec	iduous:
		st harvest material in lan	idings or at roadside after		Authority		
(1)(c)	Direct awar	d FLTC for community of to lowest bidder on a c	wildfire protection, or, for		Licence Representative Matthew J Pilszek		
		able 6-1 rates					
		amaged Timber - (> 1/3 own, fire, disease, snow p	of volume damaged by blow press, or pest) Table 6-4		Signature and Seal (if appli RFT #1954	cable)	
(1) (d)			vest bidder on a contract for iral stands or plantations			MA F	/
(1) (e) 6.4.1		be chipped or hogged or tting Authorities-Licen			Date January 24, 2019	,	
0.4.1	Damaged T fire, disease	imber - (> 1/3 of volum , snow press, or pest) Ta	e damaged by blow down, ble 6-4		District Review Officer		
(5) (i)	1	ha:  or Stocked stand nt Table 6-4a	post-narvest?				
		st Material – (wood cul- due) Table 6-5	verts and bridges, or post		Signature		
6.4.4	BCTS Salva	age TSL (attach prorated	Table 6-4 data sheet)				
6.5	Authority (	Partially Harvested T Other than a Cutting A CTS Licence			Field Verified Yes N	No 🗌	
	Decked >	3 yrs			Date		
			rs 🗌 < 3yrs 🔲 If VCU,		Regional Revenue Section	Employee	
6.6	Miscellaneo	ous Stumpage Rates Ta	ble 6-7		Signature	. 5	
6.7		Cut - FLTC issued und	er section 47.6(3) of the Act		Date	()	
7	Table 6-3 +	on with a BCTS contract basic silviculture cost fo			feb.2	5/19	
Comme					rvations and query of the BC	/	

· 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.	
mans that start with the value entered and meets all the other chiefla entered.	
District:   Mgmt Unit:	
File ID: CP: Timber Mark: MTB443	
File Type:   Mark Status:	
Client Number: Client Name:	
Client Type:	
Issue Date From:  Expiry Date From:  To:	
Salvage Type: Zone:	
Delivate Mark Orthodo	
Private Mark Criteria	
Certificate: Only Private Marks	
Land District:	
Primary Detail:	
Sort By: District Client Name File Type Search Clear	
1 row returned  Client File Mark	
Number Type ID Timber Salvage Certificate Status Issue Date Expiry	
DND COASTAL CASLINK BIDELINE LTD 00166165	
OND COASTAL GASLINK PIPELINE LTD. 00 ATT M02343 TO MTB443 HI 2016-04-29 2020-08-31 Details	- 1

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

T	SA is Smallest	Geographic Unit	
District	Rate (\$/m3)	TSA	Rate (\$/m³)
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North	0.43	Cascadia Blks 9,10,11	0.25
Coast Timber Supply Area)		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 (\$/m3)	District/District Portion	Rate (\$/m3)			
Prince George	29.89	Fort St. James	29.17			
Fillice George	29.09	Vanderhoof	20.95			
		Cariboo Chilcotin	27.78			
Williams Lake	27.90	Williams Lake TSA Blks, A, B, C, D, E & I	12.95			

	strict & 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 (\$/m3)			
		Northeast	8.20			
North 21.03	21.03	Omineca	28.02			
	Skeena	15.65				
		Cariboo	28.38			
South	23.34	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:

Mo2343/cp10

Miscellaneous Policies





Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m3
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 Co	osts (\$/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

 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



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

Timber Mark: MTB701

## **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02343

**Cutting Permit:** Annual Allowable Cut: 0

14

Mark Issue Date: Mark Expiry Date: 2016-09-02 2020-08-31

Mark Extend Date:

Forest District:

Nadina Natural Resource A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

Tenure Type: TSA/TFL:

20 - Morice TSA

Appraisal Effective Date: 2018-06-01

Expiry Date:

2019-05-31

Non Appraised Rates

					Jou Hutou			
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

Printed on: 2019-02-20 09:26:15 AM by IDIR\KVSEGIN (PROD)

2018-06-01

		Interior S	tumpage Rate R	Reque	est Form				
Licensee		Coastal GasLink Pipeline Ltd.	Licence/Cutting Permit	M023	43 14	Timber Mark	MTB701		
Forest Dis	trict	DND	Forest Zone	North	Central	Timber Supply Area	20		
Competiti	ve Cutting	Yes No 🛛	Effective/Expiry Date	20	6-09-02	Area (ha)	21.0		
IAM Sec.	Rate Calcula	tion Method (Check 1 E viculture and/or Bonus			Volume Estimates In Comvolume estimate was derive				
		djusting - redetern							
6.1.1	Community authorities)	y Forest Agreement -Au Table 6-2	gust 1 (all cutting		Total Coniferous Volume:	73	m <sup>3</sup>		
6.1.2	Woodlot Li Table 6-2	cences – August 1 (CP,	BSP or RP)		Total Deciduous Volume	1	$m^3$		
6.1.3	Incidental 6 Table 6-3	Conifer in Deciduous L	eading Stands – June 1		1				
6.3	Road Timbe	it Stumpage Rates – Ju er Marks with an eligible 1) -Associated Licence	ne 1 (Including Woodlot ERA)		Silviculture (refer to attac	ched procedures)			
6.4.2	Blanket Sal		es - Licences with an AAC		Silviculture Responsibility:				
(4)	≥ 80% Bur	nt – June 1 Table 6-4a							
6.4.3		ed Salvage Cutting Aut 7) Table 6-6	norities – redetermine per		Crown   License	e  N/A	×		
			utting Authority Data Sheet		Crown License Apply Silviculture Levy -	e 🔲 N/A			
6.7	Licences to	Cut-Non-Forestry Ten	ures – June 1 Table 6-3 +	⊠	Grades 1 & 2:□, Grade 4:	☐, Grade 6:☐, De	ciduous:		
6.8	Controlled	Recreation Areas (CRA log average rate for contr	s)- Anniversary Date		Silviculture Levy: \$	per m <sup>3</sup>			
		ed for term and al	-						
5.1.1 (5)	TSM Reque	ked or Partially Harvest sted Rate	ed Timber		Bonus Section (attach signed Tender form)				
6.2	Cutting Authorities With 5000 m³ or Less Volume Average Sawlog Stumpage Rate Table 6-1				Bonus Offer :	Bonus Bid:	1		
(2)	Intermediate salvage				Amount: \$	\$/m <sup>3</sup>	J		
	If VCU, atta	ch approved form			7 mount.	3/111			
6.2.1 (1) (a)	FLTC award Community	Specific Purposes (No Voled to highest bidder. wildfire protection, or re	moving damaged timber		Apply bonus bid:  Grades 1 & 2:□, Grade 4:	□Grade 6:□, Dec	iduous:		
	Utilizing po	st harvest material in land			Authority				
(1)(c)	Direct award		rildfire protection, or, for		Licence Representative				
	wildfire pro		intract for community	_	Matthew J Pilszek				
	* * *	able 6-1 rates	of volume damaged by blow		Signature and Seal (if appli	cable)			
(1) (d)	do	wn, fire, disease, snow p		R	RFT #1954				
10.000000	removing da	maged timber from natur	al stands or plantations			1111			
(1) (e) 6.4.1		be chipped or hogged on tting Authorities-Licence			Date January 24, 2019				
		imber - (> 1/3 of volume snow press, or pest) Tab	damaged by blow down,		District Review Officer	- Control of the Cont			
(5) (1)	Clearcut ≤5l	na: or Stocked stand p		_					
(5) (i)		nt Table 6-4a st Material – (wood culv	erts and bridges, or post	-	Signature				
6.4.4		due) Table 6-5	Table 6-4 data cheat)						
6.5		-							
O.5 Decked and Partially Harvested Timber for a Cutting Authority Other than a Cutting Authority Entered into Under a BCTS Licence					Field Verified Yes N	lo 🗌			
	Decked > 3 yrs □ ≤ 3yrs □				Date				
	If VCU, attach approved form  Partially Harvested Timber ≥ 3yrs				Regional Revenue Section I	Employee	)		
6.6		us Stumpage Rates Tab Product:	ole 6-7		Signature	: 0	1		
6.7	Licences to	Cut - FLTC issued unde	r section 47.6(3) of the Act		Date	0			
	Table 6-3 +	on with a BCTS contract. basic silviculture cost for	the forest region.		Jeb. 2	0/19			
Comme The volume		nis rate request has been	derived by a combination of 6	ield obco	rvations and query of the BC	VDI data This			
pertains to	the Coastal Gas	sLink Pipeline Project (M	fulti-use Site 9A).	iciu obse	avadous and query of the BC	vici data. This rate	request		

Revised March 20, 2018

· 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:   Mgmt Unit:	
File ID: CP: Timber Mark: MTB701	
File Type: Mark Status: V	
Client Number: Client Name:	
Client Type:	
Issue Date From: Expiry Date From:	
Salvage Type:   Zone:	
Private Mark Criteria	
Certificate:	
Certificate: Only Private Marks  Land District: Primary ID:	
Primary Detail:	
Sort By: District Client Name File Type Search Clear	
Joseph Committee Chile Type	
1 row returned	
Client File Mark	
District Name  Number Type ID  Timber Salvage Certificate Status Issue Date  Expiry Date	
DND COASTAL GASLINK PIPELINE LTD. 00166165 A11 M02343 14 MTB701 HI 2016-09-02 2020-08-31 Details	
	3

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

District	Rate (\$/m3)	Geographic Unit	Rate (\$/m3)
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North	0.43	Cascadia Blks 9,10,11	0.25
Coast Timber Supply Area)		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 (\$/m3)	District/District Portion	Rate (\$/m3)						
Prince George	29.89	Fort St. James	29.17						
Fillice George	29.09	Vanderhoof	20.95						
		Cariboo Chilcotin	27.78						
Williams Lake	27.90	Williams Lake TSA Blks, A, B, C, D, E & I	12.95						

District & TSA are the same									
District	TSA	Rate (\$/m3)							
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	Area Rate (\$/m³) Region									
		Northeast	Rate (\$/m³) 8.20							
North	21.03	Omineca	28.02							
		Skeena	15.65							
		Cariboo	28.38							
South	23.34	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:

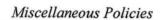


Table 6-3: Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit

M02343/014

MTB701

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m3
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)

Dasic Silviculture Ct	Jala (WITTO)									
Area	Balsam	Cedar	Fir	Hemlock.	Larch Loc	dgepole 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:

 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



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

Timber Mark: MTB811

# **Timber Mark Appraisal Summary**

**General Information** 

Client:

COASTAL GASLINK PIPELINE LTD.

Client Number:

00166165

License:

M02343

**Cutting Permit:** 

Annual Allowable Cut: 0

21

Mark Issue Date:

Mark Expiry Date:

Mark Extend Date:

Forest District: Tenure Type:

Nadina Natural Resource A11 - Master Licence to Cut

**Appraisal Status: Confirmed** 

TSA/TFL:

2017-08-11

2020-08-31

20 - Morice TSA

Appraisal Effective Date: 2018-06-01

**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

Printed on: 2019-02-20 09:24:57 AM by IDIR\KVSEGIN (PROD)

2018-06-01

		Interior S	Stumpage Rate P	<b>leque</b>	est Form		
ensee		Coastal GasLink	Licence/Cutting Permit	M0234	43 21	Timber Mark	MTB811
rest Di	strict	Pipeline Ltd.  DND	Forest Zone		Central	Timber Supply	20
	ive Cutting	Yes No 🛛	Effective/Expiry Date	201	7-08-11	Area (ha)	5.2
thorit				201	Volume Estimates In Co		
AM Sec.		tion Method (Check 1 viculture and/or Bonu	Box Only) s Section if Applicable		volume estimate was der		
		djusting - redeter					
6.1.1	Community authorities)	y Forest Agreement -A Table 6-2	august 1 (all cutting		Total Coniferous Volume	e: 21	m <sup>3</sup>
6.1.2		icences - August 1 (CP	, BSP or RP)		Total Deciduous Volume	1	$m^3$
6.1.3		Conifer in Deciduous l	Leading Stands – June 1				
6.3	Road Timbe	nit Stumpage Rates – J er Marks with an eligibl 7) -Associated Licence	une 1 (Including Woodlot e ERA)		Silviculture (refer to at	tached procedures)	
6.4.2	Blanket Sa	lvage Cutting Authori	ties - Licences with an AAC	1	Silviculture Responsibili	ty:	
(4)		d) - June 1 Table 6-4 nt – June 1 Table 6-4a					
5.4.3	Cruise Bas	ed Salvage Cutting Au	thorities – redetermine per	++			
	IAM 6.4.3(	7) Table 6-6	Cutting Authority Data Sheet		Crown Licer	_	$\boxtimes$
6.7	(Page 3) Licences to	Cut-Non-Forestry Te	nures – June 1 Table 6-3 +		Apply Silviculture Levy Grades 1 & 2:☐, Grade		eciduous:
6.8	Controlled		As)- Anniversary Date		Silvicultura I a 6	ner m³	
		olog average rate for cor	attrolled recreation areas	1	Silviculture Levy: \$	per m <sup>3</sup>	
.1 (5)		ked or Partially Harve			Danus Santian (attack a	in ad Tandar (com)	
6.2	Cutting Au	ested Rate thorities With 5000 m	or Less Volume	-	Bonus Section (attach s	igned Tender form)	
(1)		wlog Stumpage Rate			Bonus Offer :	Bonus Bid:	
(2)	Intermedia	te salvage ach approved form		-	Amount: \$	\$/m <sup>3</sup>	
.2.1	_	Specific Purposes (No	Volume Limit)	-	Apply bonus bid:		
) (a)		ded to highest bidder.			Grades 1 & 2:□, Grade	4:□Grada 6:□ Dad	iduana 🗖
			removing damaged timber attach approved VCU form)		Grades I & 2, Grade	4Grade 6, Dec	aduous:
		st harvest material in la	ndings or at roadside after		Authority		
) (c)	Direct awar	d FLTC for community	wildfire protection, or, for		Licence Representative		
	FLTC issue wildfire pro	d to lowest bidder on a detection	contract for community		Matthew J Pilszek		
	(i) Ta	able 6-1 rates	of volume democrat by bloom		Signature and Sect Co.	-lild-\	
	do	own, fire, disease, snow	of volume damaged by blow press, or pest) Table 6-4		Signature and Seal (if ap RFT #1954	Marking Property	,
(d)			west bidder on a contract for ural stands or plantations		$\ell$	1110 po	
) (e)	Timber will	be chipped or hogged of	on site. Table 6-7		Date January 24, 2019		
5.4.1		tting Authorities—Lice imber - (> 1/3 of volume	nces without an AAC ne damaged by blow down,		District Review Officer		
	fire, disease	, snow press, or pest) Ta	able 6-4	-	Review Office		
5) (i)		ha: 🔲 <u>or</u> Stocked stand nt Table 6-4a	post-narvest?				
- 17	Post Harve		lverts and bridges, or post		Signature		
.4.4		age TSL (attach prorate	d Table 6-4 data sheet)				
6.5	Decked and Authority (	Partially Harvested T			Field Verified Yes	No 🗌	
	Decked >	3 yrs	***************************************		Date		
	If VCU, atta	ach approved form	rs		Regional Revenue Section	n Empleyee	
	attach appro	eved form			Telli 2	esco	
6.6	Miscellaneo Species:	ous Stumpage Rates T Product:	able 6-7		Signature	A	
6.7	Licences to		der section 47.6(3) of the Act		Date	11.	
		on with a BCTS contract basic silviculture cost for			Jeb. 20	0/19	
_						The second secon	

Revised March 20, 2018

· 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: Mgmt Unit:	
File ID: CP: Timber Mark: MTB811	
File Type:	
Client Number: Client Name:	
Client Type:	
Issue Date From: Expiry Date From:	
Salvage Type: Zone:	
Private Mark Criteria	
Certificate: Only Private Marks	
Land District:	
Primary Detail:	
Sort By: District Client Name File Type Search Clear	
1 row returned	
Client File Mark  Name Number Type ID Timber Salvage Contidents Status Issue Data Expiry	
District Name CP Mark Type D CP Mark Type Date Date	
DND COASTAL GASLINK PIPELINE LTD. 00166165 A11 M02343 21 MTB811 HI 2017-08-11 2020-08-31 Details	
	_

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

District	Rate (\$/m3)	TSA	Rate (\$/m3)
Cascades	24.02	Lillooet	6.03
		Merritt	27.90
Coast Mountain (excluding North	0.43	Cascadia Blks 9,10,11	0.25
Coast Timber Supply Area)		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 (\$/m3)								
Prince George	29.89	Fort St. James	29.17						
Prince George	29.09	Vanderhoof	20.95						
		Cariboo Chilcotin	27.78						
Williams Lake	27.90	Williams Lake TSA Blks, A, B, C, D, E & I	12.95						

District & TSA are the same								
District	TSA	Rate (\$/m3)						
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 (\$/m3)								
		Northeast	8.20						
North	21.03	Omineca	28.02						
		Skeena	15.65						
		Cariboo	28.38						
South	23.34	Kootenay Boundary	20.81						
		Thompson-Okanagan	22.91						

22.89

## 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:



MTB811

Smallest Geographic Unit	\$/m <sup>3</sup>	Smallest Geographic Unit	\$/m3			
North Area	29.15	South Area				
Northeast Region	17.47	Cariboo Region				
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 Co	osts (\$/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		1	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:



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

# **Harvest Billing System Mark Monthly Billing History Report**

Page: 1 of 1 Rundate: 2019-Sep-05 10:35.51 Runtime: Report Id: HBS3R431.rpt Request No: 5781768

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 N	lechako Natura	al Resource	District										
MARK:	MTA716	;												
	M <sup>3</sup>	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	M 3	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	<b>M</b> <sup>3</sup>	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:	M 3	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

From: 2015-01-01 To: 2015-12-31

Date Range: Fro Region/District Harvested: All Client No/Loc:

Species: Product: Grade: Billing Type: Mgmt Unit Type: Mgmt Unit No:

All Log All Normal,Waste

Report Configuration Parameters

Volume (M3): Value (\$): Value (\$): Value/Volume (\$/M3): Volume Fraction (%):

Species: No Product: No No No No

Grade: No Grouping: District and Mark

Tenure Details:

Licence ( M02342 )