Polygon Name: 2015-CHU-001

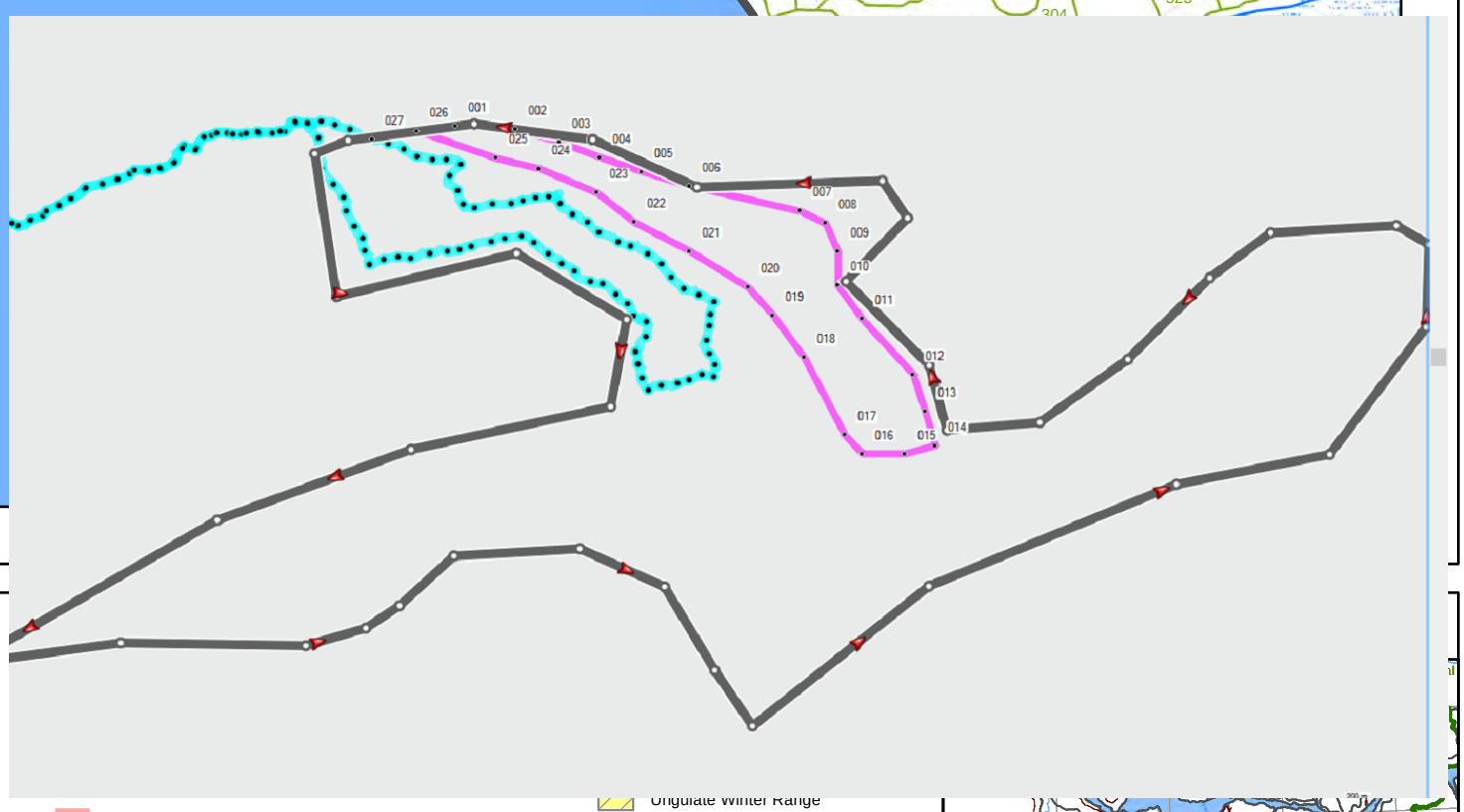
NO CURRENT OR OLD ATTACK NOTICED

DID NOT GET TO THIS AREA. NO ATTACK LEADING TO AREA

HEAVY BALSAM

A64418 CP 821 16/12/2013 ACTIVE

A64418 CP 820 06/09/2012 ACTIVE



Ministry of Forests, Lands and Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-CHU-001

Landscape Unit/BMU:	Chuchi
Region:	Omineca
District:	Mackenzie
Mapsheet:	093N01
Hectares:	89.86
Scale:	1:10,000
When plotted on 11x17	
Coordinate System:	NAD 1983 UTM Zone 10N
Datum:	North American 1983
Date Drawn:	02/12/2015
Drawn By:	msnively

- Med (41-60)
- High (61-80)
- Very High (81-100)
- Cutting Permit
- RESULTS Opening
- VRI Polygon
- Beetle Management Unit
- Natural Resource District
- Road Permit Active
- Road Permit Pending
- Km Markers

- Ungulate Winter Range
- Wildlife Habitat Area

Protected Lands Designation

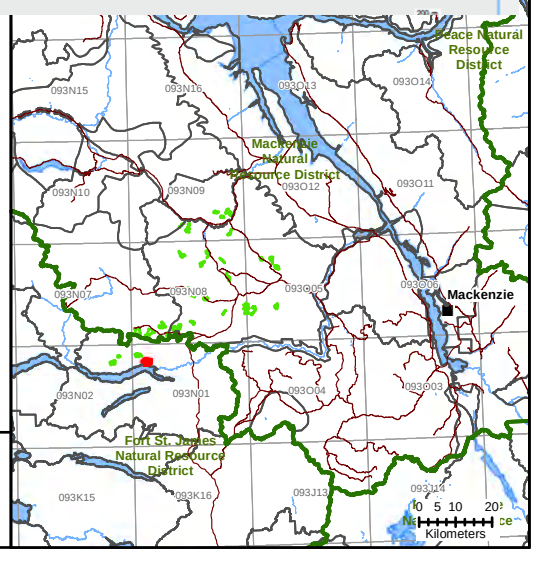
- Ecological Reserve
- Protected Area
- Provincial Park
- Contour - Index
- Contour - Intermediate
- Streams
- Lakes and Rivers
- Wetlands

N W E S

0 0.1 0.2 0.4 Kilometers

Disclaimer

The accuracy and completeness of the information on this map is not guaranteed.



SENECA ENTERPRISES LTD.
PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3
Phone: (250) 561-0890, Fax: (250) 564-3275

SPRUCE BARK BEETLE REPORT FH16DMK016,017

POLYGON: **2015-CHU-001** HECTARES: 89.86

WALKTHROUGH DISTANCE: 3800

ESTIMATED INFFESTED PIXELS FROM WALKTHROUGH (Code 1-4) 0 **0.0%**

SUMMARY OF CURRENT INFESTATION

Walkthrough shows no current attack, and 2 code 5 attacked trees found in walkthrough. Average of 70% Balsam throughout area walked, did not have time due to unseasonable conditions to continue further through polygon to higher risk area in the East. From what we was seen, assume minimal attack as heavy Balsam and no real evidence of attakc found.

NO ATTACKED TREES FOUND , Southern half od polygon not walked,

ACCESS

Access via difficult sled tdue to conditions, than walk in 1.1km to West portion of Polygon/

POLYGON FEATURES (Topography, Terrain, Timber Types, Age)

Minimal Slopes throughout, ran out of time but ran into heavy balsam in the south of polygon and southern half of polygon not examined. Appears to be mostly Balsam towards the lake.

SIZE, BOUNDARY and PATTERN OF INFESTATION

There was no current and minimal old atack found in walkthrough. Ran into heavy Balsam towards south along lines and ran out of time to continue walkthrough as difficult conditions of sledding and walking due to unseasonable warm weather

INCIDENCE AND SEVERITY OF ATTACK

No recent attacked trees found

RISK OF BEETLE SPREAD

With no attack and heavy presence of Balsam, minimal risk of spread.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Access good in the right season and walk in 1.1km to West portion of polygon.

RECOMMENDATIONS

OPTION 1 **MONITOR**

No probe lines established and polygon has heavy Balsam component. Did not reach southern portion of polygon but mainly Balsam noticed through that area. That said, need to schedule walkthrough that targets higher risk area in the East CREEK DRAW

OPTION 2 **NO ACTION**

NO current attack found,

2015-CHU-001
SPRUCE BEETLE WALKTHROUGHS
Legend
NO CURRENT ATTACK
PROBES
026
001
002
003
027
025
004
005
024
006
023
007
022
008
021
009
020
010
019
011
018
012
013
017
014
016
015
Google earth
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Image © 2016 Province of British Columbia
N
1 km

Summary

2015-CHU-001	HEC	89.86	METERS WALKED	3800	% TRAVERSED	4.2%
PIXELS COVERED BY WALKTHROUGH	38	INFESTED PIXELS	0	**ESTIMATED % OF BLOCK INFESTED (From Walk through)**		**0.0%**

TABLE 5- Spruce Beetle Infestation Summary Sheet

OF NOTE- Results taken from a 100m Probe Line established at 1 per 50 hectares to represent

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			2015		2014		2013		
			1	2	3	4	5	6	
17.5-25.0	3.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
25.1-30.0	5.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
30.1-35.0	7.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0
35.1-40.0	9.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0
40.1-45.0	11.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0
45.1-50.0	13.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0
50.1-55.0	16.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0
55.1-60.0	18.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0
60.1 +	25.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS	0.0	0	0.0	0	0.0	0.0	0.0	0	0

TABLE 4- Spruce Beetle Attack Density and Larval Density Rating

MEAN NO. OF ENTRANCE HOLES PER 225 cm2 PHLOEM SAMPLE		MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	
	< 1 LOW Attack Density		< 4.9 LOW Mean Larval Density
	1.0- 1.9 MOD Attack Density		5.0 - 14.9 MOD Mean Larval Density
	2.0 - 3.9 HIGH Attack Density		15-24.9 HIGH Mean Larval Density
0.00	< 3.9 SEVERE Attack Density	0.00	>24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough

% 2015 ATTACK	0.0%	0.0	SANITATION AND SALVAGE HARVEST PRIORITY RATING		
% 2014 ATTACK	0.0%	##	LIGHT	0-599	LEAVE (Monitor, Trap Trees, Baits, etc)
% 2013 ATTACK	0.0%	##	MODERATE	600-999	PROBE (To Obtain Further Info)
% HOST IN STAND	0.0%	##	HEAVY	1000+	RECOMMEND CRUISING/ LOGGING

0.0

NO PROBE LINES ESTABLISHED, NO RECENT and MINIMAL OLD ATTACK FOUND.

SUMMARY OF ALL CARDS FS1111

NUMBER OF CARDS 0

ACCESS - Access via difficult sled tdue to conditions, than walk in 1.1km to West portion of Polygon/

POLYGON FEATURES - Minimal Slopes throughout, ran out of time but ran into heavy balsam in the south of polygon and southern half of polygon not examined. Appears to be mostly Balsam towards the lake.

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			2015		2014		2013			
			1	2	3	4	5	6	BL	AT
17.5-25.0	3.3	0	0	0	0	0	0	0	0	0
25.1-30.0	5.3	0	0	0	0	0	0	0	0	0
30.1-35.0	7.1	0	0	0	0	0	0	0	0	0
35.1-40.0	9.4	0	0	0	0	0	0	0	0	0
40.1-45.0	11.6	0	0	0	0	0	0	0	0	0
45.1-50.0	13.8	0	0	0	0	0	0	0	0	0
50.1-55.0	16.2	0	0	0	0	0	0	0	0	0
55.1-60.0	18.7	0	0	0	0	0	0	0	0	0
60.1 +	25.3	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0

BARK SAMPLES 15 cm x 15 cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE ADULTS	NO. CALLOW	FRESH (GREEN) BLOWDOWN Attacked Y r	Y r ____	Unattacked
0	0	0	0	0	0	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

There was no current and minimal old atack found in walkthrough. Ran into heavy Balsam towards south along lines and ran out of time to continue walkthrough as difficult conditions of sledding and walking due to unseasonable warm weather

INCIDENCE AND SEVERITY OF THE INFESTATION

No recent attacked trees found

RISK OF BEETLE SPREAD

With no attack and heavy presence of Balsam, minimal risk of spread.

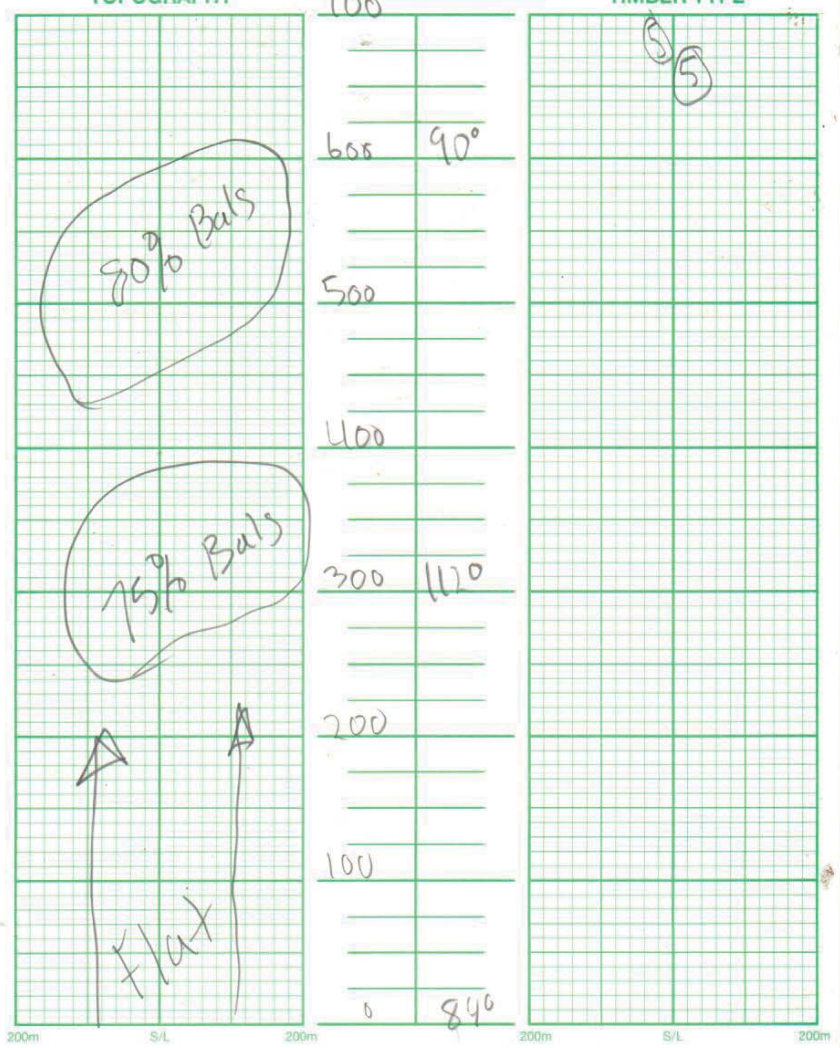
ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Access good in the right season and walk in 1.1km to West portion of polygon.

TOPOGRAPHY

STRIP No. _____

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 84°, 112°, 90°

START STRIP: 0-700

JOB NO.: CHU-001 DATE: FEB 3, 16

CREW: Pat Poirier

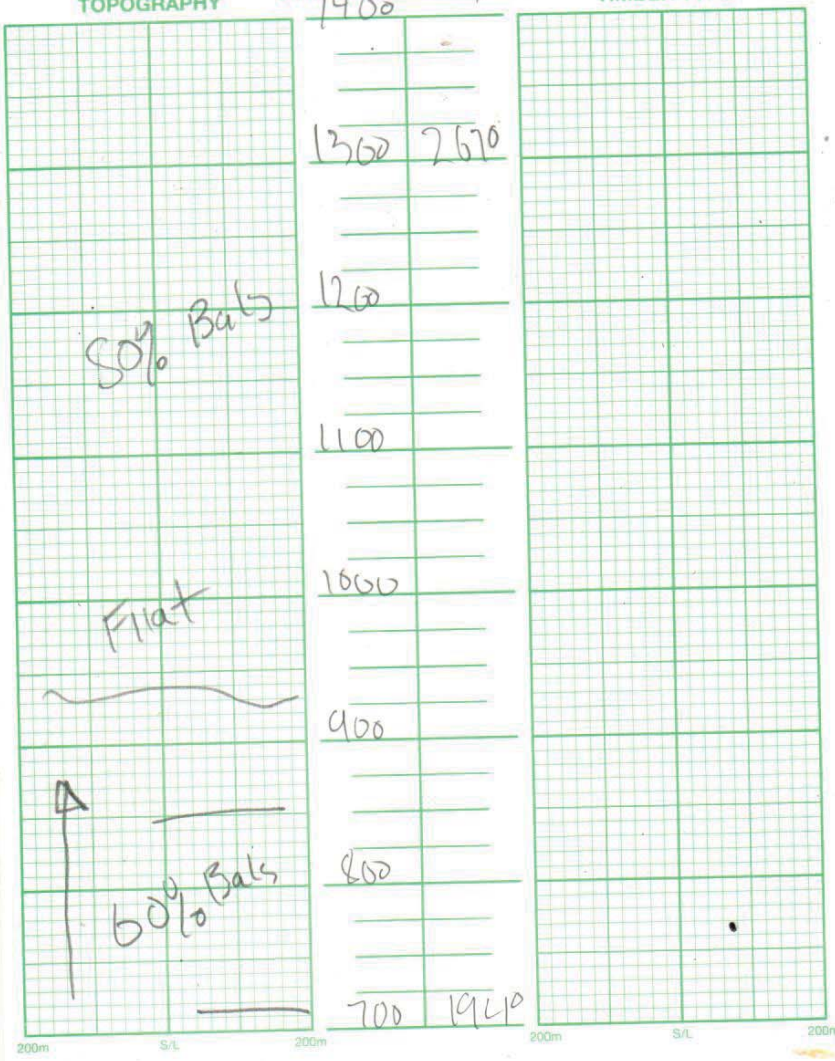
REMARKS:

www.irlsupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1 DIRECTION:

START STRIP: 700 - 1400

JOB NO.: CHU-001 DATE: FEB 3, 16

CREW: Pat Poirier

REMARKS:

www.irlsupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE

2100
2000
1900
1800
1700
1600
1500
1400

END Point

75% Bald

A A

Flat

200m S/L 200m

200m S/L 200m

STRIP NO.: 1 DIRECTION:

START STRIP: 1400 - 2000

JOB NO.: GHU-001 DATE: FEB 3, 16

CREW: Pat Poirier

REMARKS:

irl www.irlsupplies.com Ph: 1-800-663-6843

Province of British Columbia Ministry of Forests

COMPASS AND TRAVERSE

TOPOGRAPHY

TIMBER TYPE

Bearing 164°

Blowdown

Bearing 130°

100% Balsam

Bearing 76°

Dead Pine High Blowdown

700
600
500
400
300
200
100
0

(5)

(5)

200 m S/L 200 m

200 m S/L 200 m

C.P. No.		BLOCK	
DIRECTION	164°(25m), 76°(37m), 130°(225m)	START OF STRIP	0m - 700m
JOB NO.	GHU-001	DATE	Feb. 3/16
CREW	Dr. Iem. V		
REMARKS	High blowdown (15% spruce, 45% Balsam, 35% deadpine 5% other)		

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COMPASS AND TRAVERSE

TOPOGRAPHY

1400
1300
1200
1100
1000
900
800
700

Bearing 312°

Bearing 266°

Bearing 80°

TIMBER TYPE

200 m S/L 200 m

200 m S/L 200 m

C.P. No. 2	BLOCK
DIRECTION 182°(125m), 80°(200m), 8°(200m)	START OF STRIP 700 – 1400
JOB NO. CHU-001	DATE Feb. 3/16
CREW Dailen V	
REMARKS High Blowdown (15% spruce, 45% Balsam, 35% dead pine, 5% other)	

FS 375 HVA 92/01

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COMPASS AND TRAVERSE

TOPOGRAPHY

1400
1500
1600
1700
1800

END

Bearing 266°

TIMBER TYPE

200 m S/L 200 m

200 m S/L 200 m

C.P. No. 3	BLOCK
DIRECTION 312°(300m) 266°(150m)	START OF STRIP 1400m – 1650m
JOB NO. CHU-001	DATE Feb. 3/16
CREW Dailen V	
REMARKS High Blowdown (15% spruce, 45% Balsam, 35% dead pine, 5% other)	

FS 375 HVA 92/01