

SUMMARY OF CURRENT INFESTATION

Star probe shows 13 Code 1 Attacked trees within Star Probe.

ACCESS

From Clearwater FSR, walk from truck 200m @ 229 degrees

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

Slope 0-25% West as walk towards site. West edge runs along Clearwater river which is impassable.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Sporadic Code 1 attack in site.

INCIDENCE AND SEVERITY OF ATTACK

1 probe line established representative of site. While 13 Code 1's found, Probe line had one C1 tree, representing a light Sanitation Rating

RISK OF BEETLE SPREAD and SURROUNDING SITES

Site had moderate attack with a low sanitation rating. Appears that the attack is coming up from the Clearwater river in this area and has large DBH susceptible spruce.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Close to road down to Clearwater river.

RECOMMENDATIONS

OPTION 1

TRAP TREE TRAILS

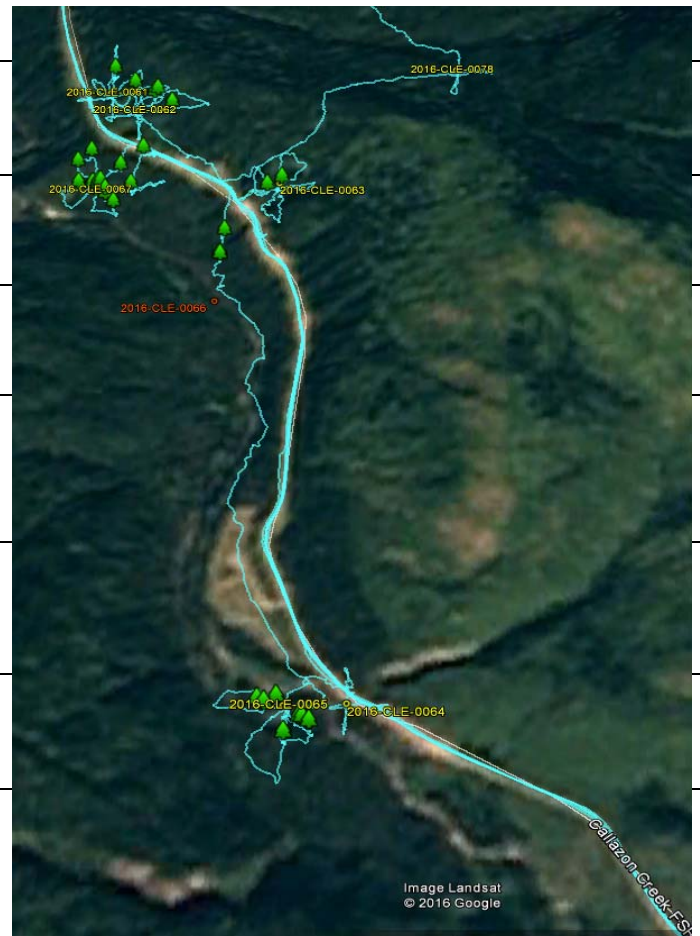
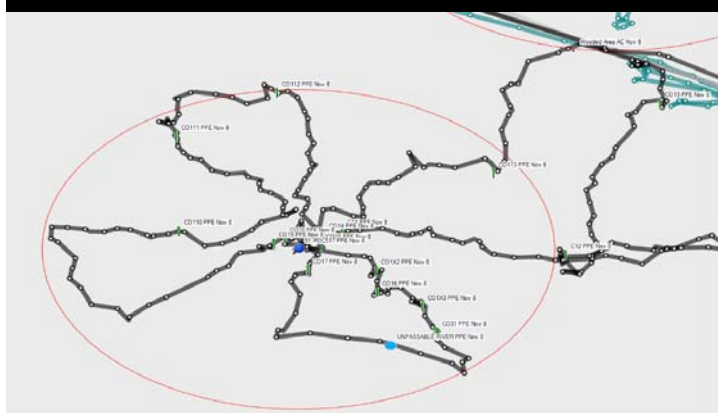
As access good, establish trap tree trail along route down from road. Establish a couple others in surrounding sites.

OPTION 2

MONITOR

Monitor and/or create a polygon along east side of river to incorporate attack and better measure impact of attack.,

MODERATE ATTACK



Summary			
2016-CLE-0067			517

TABLE 5- Spruce Beetle Infestation Summary Sheet

ACCESS -	From Clearwater FSR, walk from truck 200m @ 229 degrees
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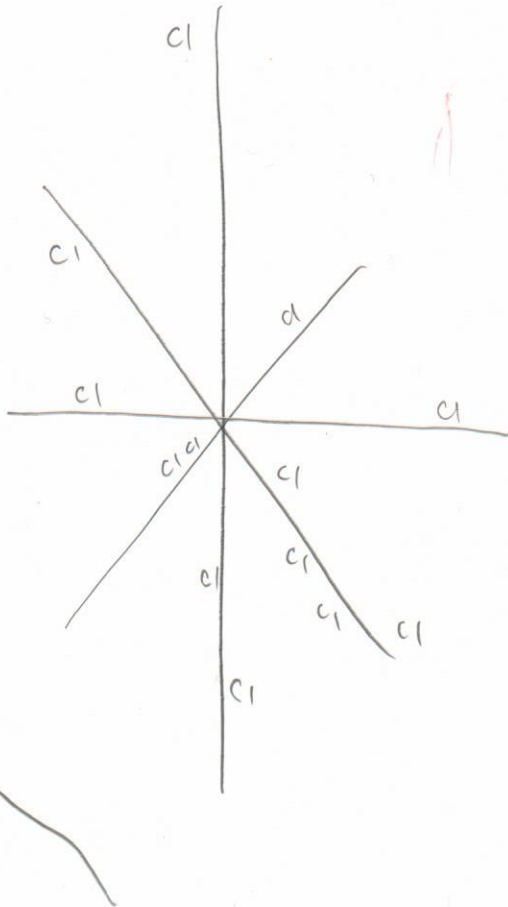
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			2015		2014		2013		
			1	2	3	4	5	6	
17.5-25.0	3.3	0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
25.1-30.0	5.3	47.7	0.0	0.0	0.0	0.0	0.0	0.0	15.9
30.1-35.0	7.1	21.3	0.0	0.0	0.0	0.0	0.0	0.0	35.5
35.1-40.0	9.4	0	0.0	0.0	0.0	0.0	0.0	0.0	75.2
40.1-45.0	11.6	34.8	11.6	0.0	0.0	0.0	0.0	0.0	0
45.1-50.0	13.8	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0
50.1-55.0	16.2	16.2	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	186.8	175.2	11.6	0	0.0	0.0	0.0	0	136.5

TABLE 4- Spruce Beetle Attack Density and Larval Density Rating			
MEAN NO. OF ENTRANCE HOLES PER 225 cm2 PHLOEM SAMPLE	< 1 LOW Attack Density	MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	< 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
3.00	< 3.9 SEVERE Attack Density	3.50	>24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough						
% 2016 ATTACK	6.2%	6.2	SANITATION AND SALVAGE HARVEST PRIORITY RATING			
% 2015 ATTACK	0.0%	##	LIGHT	0-599	LEAVE (Monitor, Trap Trees, Baits, etc)	358.8
% 2014 ATTACK	0.0%	##	MODERATE	600-999	PROBE (To Obtain Further Info)	
% HOST IN STAND	57.8%	##	HEAVY	1000+	RECOMMEND CRUISING/ LOGGING	

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SPRUCE BEETLE PROBE CARD



UNPASSABLE RIVER

PARKING
RECEPTION

STATION 517		PAGE		OF					
DIRECTION EAST		DISTANCE 100		STRIP WIDTH 10					
DIRECTION CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			1	2	3	4	5	6	
- 25.0	3.3								cl
- 30.0	5.3	cl							cl
- 35.0	7.1	cl							cl
- 40.0	9.4								cl
- 45.0	11.6	cl	cl						
- 50.0	13.8	cl							
- 55.0	16.2	cl							
- 60.0	18.7								
1 +	25.3								
TOTALS		19	1						17
SAMPLES n x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
J	cl		cl		cl				
S	cl		cl						
REMARKS BS = cl Steep slopes									
V NAMES PELTS PAT						DATE Y M D 16 11 8			

1 RPG 2000/01 7530881048 (100/bdl)