Forest District Summary Sheet for Winter Mortality and R-Value Survey 2016

Beetle Species: *Dendroctonus pseudotsugae*

Forest District: Chilcoltin**

Date Collected: March 3 - 6

Date Examined: March 22 - 23

Site #	Stand Location	Number of Samples	Larval Count		Adult Count		Mortality(%)		Total Live Progeny	Av. Live Progeny/ Sample	Total Gallery Starts	Av. Starts/ Sample	Rating Value	Av. Woodpk. Area %
			L	D	L	D	Larval	Adult						
6	100 Road	20	7	135	196	48	95.07	19.67	203	10.2	9	0.5	5.81	0
7	Riske Creek	20	4	237	104	31	98.34	22.96	108	5.4	17	0.9	3.09	0
8	Alexis Creek	20	2	48	76	22	96.00	22.45	78	3.9	2	0.1	2.23	0
9	West Fraser Road	20	2	179	92	57	98.90	38.26	94	4.7	6	0.3	2.69	0
10	Stack Valley Road	20	6	152	108	48	96.20	30.77	114	5.7	4	0.2	3.26	0
Sums		**100**	**21**	**751**	**576**	**206**			**597**	**29.85**	**38**	**1.9**		**0**

Average Gallery Starts (2002-2015) **1.746**

Adult Mean Mortality (%) **26.34**

Mean Woodpecker Area (%) **0.00**

Larval Mean Mortality (%) **97.28**

Mean Attack Density/Sample **0.38**

Combined Larval and Adult Mean Mortality (%) **61.58**

Mean Attack Density/ M^2 **16.89**

District R- value **3.42**

Forest District Summary Sheet for Winter Mortality and R-Value Survey 2016

Beetle Species: *Dendroctonus pseudotsugae*

Forest District: Cariboo**

Date Collected: February 24 - March 2

Date Examined: March 16 - 21

Site #	Stand Location	Number of Samples	Larval Count		Adult Count		Mortality(%)		Total Live Progeny	Av. Live Progeny/ Sample	Total Gallery Starts	Av. Starts/ Sample	Rating Value	Av. Woodpk. Area %
			L	D	L	D	Larval	Adult						
1	Dave Means	20	4	134	271	42	97.10	13.42	275	13.8	11	0.6	7.88	0
2	Bysack Road	20	4	73	101	44	94.81	30.34	105	5.3	5	0.3	3.01	0
3	Moore Mountain Road	20	16	150	112	62	90.36	35.63	128	6.4	7	0.4	3.67	0
4	Knife Creek	20	5	75	101	33	93.75	24.63	106	5.3	11	0.6	3.04	0
5	Fox Mountain	20	11	105	117	43	90.52	26.88	128	6.4	2	0.1	3.67	0
Sums		**100**	**40**	**537**	**702**	**224**			**742**	**37.1**	**36**	**1.8**		**0.00**

Average Gallery Starts (2002-2015) **1.746**

Adult Mean Mortality (%) **24.19**

Mean Woodpecker Area (%) **0.00**

Larval Mean Mortality (%) **93.07**

Mean Attack Density/Sample **0.36**

Combined Larval and Adult Mean Mortality (%) **50.63**

Mean Attack Density/ M^2 **16.00**

District R- value **4.25**

Forest District Summary Sheet for Winter Mortality and R-Value Survey 2016

Beetle Species: *Dendroctonus pseudotsugae* Forest District: 100 Mile

Date Collected: March 17 - 19 Date Examined: March 24 - 28

Site #	Stand Location	Number of Samples	Larval Count		Adult Count		Mortality(%)		Total Live Progeny	Av. Live Progeny/ Sample	Total Gallery Starts	Av. Starts/ Sample	Rating Value	Av. Woodpk. Area %
			L	D	L	D	Larval	Adult						
16	Wright Station Road	20	6	21	262	54	77.78	17.09	268	13.4	3	0.2	7.67	0
17	Dingwall Lake	20	10	43	242	49	81.13	16.84	252	12.6	5	0.3	7.22	0
18	Wright Station/Clancy's	20	0	234	100	36	100.00	26.47	100	5.0	15	0.8	2.86	2
19	Lac la Hache	20	1	200	201	24	99.50	10.67	202	10.1	16	0.8	5.78	0
20	Canim Lake	20	7	65	124	37	90.28	22.98	131	6.6	2	0.1	3.75	0
Sums		**100**	**24**	**563**	**929**	**200**			**953**	**47.65**	**41**	**2.05**		**2**

Average Gallery Starts (2002-2015) 1.746

Adult Mean Mortality (%) 17.71

Mean Woodpecker Area (%) 0.40

Larval Mean Mortality (%) 95.91

Mean Attack Density/Sample 0.41

Combined Larval and Adult Mean Mortality (%) 44.46

Mean Attack Density/ M^2 18.22

District R- value 5.46

Forest District Summary Sheet for Winter Mortality and R-Value Survey 2016

Beetle Species: *Dendroctonus pseudotsugae* Forest District: Quesnel

Date Collected: March 7 - 9 Date Examined: March 24 - 28

Site #	Stand Location	Number of Samples	Larval Count		Adult Count		Mortality(%)		Total Live Progeny	Av. Live Progeny/ Sample	Total Gallery Starts	Av. Starts/ Sample	Rating Value	Av. Woodpk. Area %
			L	D	L	D	Larval	Adult						
11	Cell Tower	20	0	78	6	34	100.00	85.00	6	0.3	10	0.5	0.17	0
12	F Road	20	2	78	90	54	97.50	37.50	92	4.6	9	0.5	2.63	0
13	4800 Road	20	8	297	61	34	97.38	35.79	69	3.5	18	0.9	1.98	0
14	Honolulu Road	20	16	105	267	63	86.78	19.09	283	14.2	9	0.5	8.10	0
15	Nazko River	20	5	122	44	27	96.06	38.03	49	2.5	20	1.0	1.40	0
Sums		**100**	**31**	**680**	**468**	**212**			**499**	**24.95**	**66**	**3.3**		**0**

Average Gallery Starts (2002-2015) **1.746**

Adult Mean Mortality (%) **31.18**

Mean Woodpecker Area (%) **0.00**

Larval Mean Mortality (%) **95.64**

Mean Attack Density/Sample **0.66**

Combined Larval and Adult Mean Mortality (%) **64.13**

Mean Attack Density/ M^2 **29.33**

District R- value **2.86**

Forest District Summary Sheet for Winter Mortality and R-Value Survey 2016

Beetle Species: *Dendroctonus pseudotsugae* Forest District: Cariboo-Chilcotin

Date Collected: February 24 - March 6 Date Examined: March 16 - 23

Site #	Stand Location	Number of Samples	Larval Count		Adult Count		Mortality(%)		Total Live Progeny	Av. Live Progeny/ Sample	Total Gallery Starts	Av. Starts/ Sample	Rating Value	Av. Woodpk. Area %
			L	D	L	D	Larval	Adult						
1	Dave Means	20	4	134	271	42	97.10	13.42	275	13.8	11	0.6	7.88	0
2	Bysack Road	20	4	73	101	44	94.81	30.34	105	5.3	5	0.3	3.01	0
3	Moore Mountain Road	20	16	150	112	62	90.36	35.63	128	6.4	7	0.4	3.67	0
4	Knife Creek	20	5	75	101	33	93.75	24.63	106	5.3	11	0.6	3.04	0
5	Fox Mountain	20	11	105	117	43	90.52	26.88	128	6.4	2	0.1	3.67	0
6	100 Road	20	7	135	196	48	95.07	19.67	203	10.2	9	0.5	5.81	0
7	Riske Creek	20	4	237	104	31	98.34	22.96	108	5.4	17	0.9	3.09	0
8	Alexis Creek	20	2	48	76	22	96.00	22.45	78	3.9	2	0.1	2.23	0
9	West Fraser Road	20	2	179	92	57	98.90	38.26	94	4.7	6	0.3	2.69	0
10	Stack Valley Road	20	6	152	108	48	96.20	30.77	114	5.7	4	0.2	3.26	0
Sums		**200**	**61**	**1288**	**1278**	**430**			**1339**	**66.95**	**74**	**3.7**		

Average Gallery Starts (2002-2015) **1.746**

Adult Mean Mortality (%) **25.18**

Larval Mean Mortality (%) **95.48**

Combined Larval and Adult Mean Mortality (%) **56.20**

District R- value **3.83**

Mean Woodpecker Area (%) **0.00**

Mean Attack Density/Sample **0.18**

Mean Attack Density/ M^2 **8.00**