

Aerial Overview Surveys-AOS (2014 & 2015)

Mackenzie Natural Resource District

Spruce Beetle (*Dendroctonus rufipennis*) - IBS

		2014			2015			Change 2015 compared to 2014	
FHF	SEVERITY	# of Polygons	Sum Ha	mean Ha.	# of Polygons	SUM_Ha	Mean Ha.		Ha.
IBS	T	114	75,243	660	27	11,320	419	T	-63,924
IBS	L	50	30,628	613	45	24,626	547	L	-6,001
IBS	M	1	29	29	30	24,388	813	M	24,359
IBS	S	1	1	1	6	1,905	317	S	1,904
		166	105,900	638	108	62,239	576		

Aerial overview Surveys (2014 & 2015)

Beetle Management Units (BMU)

Spruce Beetle (*Dendroctonus rufipennis*) - IBS

Trace

Low

Moderate

Severe

2014					2015					Diff 2015 to 2014
BMU_NAME	Severity	# of Polygon	Gross Ha	Mean Ha	BMU_NAME	Severity	# of Polygon	Gross Ha	Mean Ha	
Blackwater	T	25	6476	259	Blackwater	T	8	2019	252	-4,457
Blackwater	L	26	3701	142	Blackwater	L	7	931	133	-2,771
Blackwater	M		0		Blackwater	M	5	1146	229	1,146
Chunamon	T	1	220	220	Chunamon	T	10	7328	733	7,108
Chunamon	L		0		Chunamon	L	1	386	386	386
Clearwater	T	7	3638	520	Clearwater	T		0		-3,638
Clearwater	L	2	1242	621	Clearwater	L	3	194	65	-1,048
Collins - Davis	T	5	1125	225	Collins - Davis	T		0		-1,125
Collins - Davis	L	1	79	79	Collins - Davis	L		0		-79
Eklund	T	4	4414	1104	Eklund	T		0		-4,414
Eklund	L	1	4494	4494	Eklund	L		0		-4,494
Gaffney	T	11	7932	721	Gaffney	T	1	325	325	-7,607
Gaffney	L	1	2062	2062	Gaffney	L	5	1983	397	-79
Gaffney	M		0		Gaffney	M	2	495	248	495
Heather Dina Lake	T	1	584	584	Heather Dina Lake	T		0		-584
Heather Dina Lake	L	2	1152	576	Heather Dina Lake	L		0		-1,152
Kennedy	T	4	1958	490	Kennedy	T	1	185	185	-1,774
Kennedy	L		0		Kennedy	L	4	5276	1319	5,276
Kennedy	M		0		Kennedy	M	1	2074	2074	2,074
Klawli	T	4	1796	449	Klawli	T	1	47	47	-1,750
Klawli	L	2	1016	508	Klawli	L	1	320	320	-696
Klawli	M		0		Klawli	M	2	1678	839	1,678
Lower Ospika	T	2	214	107	Lower Ospika	T		0		-214
Manson River	T	5	1841	368	Manson River	T		0		-1,841
Manson River	M	1	29	29	Manson River	M		0		-29
Misinchinka	T	11	9171	834	Misinchinka	T	1	94	94	-9,076
Misinchinka	L	6	9205	1534	Misinchinka	L	16	11122	695	1,917
Misinchinka	M		0		Misinchinka	M	19	16414	864	16,414
Misinchinka	S		0		Misinchinka	S	1	71	71	71
Morfee	T	4	4649	1162	Morfee	T		0		-4,649
Morfee	L	6	267	45	Morfee	L	1	2	2	-266
Morfee	M		0		Morfee	M	4	629	157	629
Morfee	S		0		Morfee	S	2	634	317	634
Morfee B	T	3	98	33	Morfee B	T	1	0	0	-98
Nabesche	L		0		Nabesche	T	1	57	57	57
Nation	T	1	42	42	Nation	T		0		-42
Nation	L	1	12	12	Nation	L	1	98	98	87
Omineca	T	2	1019	510	Omineca	L	1	299	299	-721
Omineca	L	1	3211	3211	Omineca	T	1	250	250	-2,961
Osiliinka	T	1	803	803	Osiliinka	L	1	59	59	-744
Parsnip	T	30	24378	813	Parsnip	T	1	39	39	-24,338
Parsnip	L	7	3932	562	Parsnip	L	7	1529	218	-2,403
Parsnip	M		0		Parsnip	M	10	1522	152	1,522
Parsnip	S		0		Parsnip	S	3	1116	372	1,116
Phillip Lake	T	2	105	53	Phillip Lake	T	1	194	194	89
Phillip Lake	L	1	4	4	Phillip Lake	L	1	352	352	348
Phillip	T	16	3467	217	Phillip	T	3	705	235	-2,762
Phillip	L	3	236	79	Phillip	L	4	153	38	-83
Phillip	M		0		Phillip	M	2	39	20	39
Phillip	S		0		Phillip	S	1	84	84	84
Pine Pass	T	4	1232	308	Pine Pass	T		0		-1,232
Pine Pass	L		0		Pine Pass	L	4	1696	424	1,696
Pine Pass	M		0		Pine Pass	M	2	381	191	381
Selwyn	T	1	25	25	Selwyn	T	1	61	61	36
Tudyah B	T		0		Tudyah B	T	1	0.04	0	0
Williston Lake	T	3	3	1	Williston Lake	T	1	0	0	-3
Williston Lake	L	3	14	5	Williston Lake	L	2	4	2	-11
Tudyah B	T		0		Tudyah B	T	1	0	0	0
	T	18	30	2		T	2	16	8	-14
	L	2	1	1		L	3	224	75	222
	M		0			M	2	10	5	10
		231	105,877				154	62,239		-43,638

BCTS**Aerial Overview Surveys-AOS (2015)**

By operating areas(existing known)

Mackenzie Natural Resource District**Spruce Beetle (Dendroctonus rufipennis) - IBS**

AREA_TYPE	AREA_NAME	FHF	SEVERITY	FREQ	SUM_Ha	Avg_Ha
BCTS-Operating Area	Clearwater - Selwyn	IBS	L	3	194	65
BCTS-Operating Area	Dastaiga - Lignite	IBS	L	2	47	23
BCTS-Operating Area	Dastaiga - Lignite	IBS	M	5	370	74
BCTS-Operating Area	Dastaiga - Lignite	IBS	T	4	647	162
BCTS-Operating Area	Klawli	IBS	L	1	320	320
BCTS-Operating Area	Klawli	IBS	M	2	1688	844
BCTS-Operating Area	Klawli	IBS	T	1	47	47
BCTS-Operating Area	Misinchinka	IBS	L	16	16053	1003
BCTS-Operating Area	Misinchinka	IBS	M	19	18241	960
BCTS-Operating Area	Misinchinka	IBS	S	1	71	71
BCTS-Operating Area	Misinchinka	IBS	T	2	293	146
BCTS-Operating Area	Nation	IBS	L	5	2204	441
BCTS-Operating Area	Nation	IBS	M	2	495	248
BCTS-Operating Area	Nation	IBS	T	1	325	325
BCTS-Operating Area	North Parsnip	IBS	L	3	738	246
BCTS-Operating Area	North Parsnip	IBS	M	4	588	147
BCTS-Operating Area	North Parsnip	IBS	T	1	39	39
					42359	

T	1351
L	19555
M	21382
S	71
	42359

Conifex
Aerial Overview Surveys-AOS (2015)
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AREA_TYPE	AREA_NAME	FHF	SEVERITY	FREQ	SUM_Ha	Avg_Ha
Operating Area - Conifex	Conifex	IBS	L	1	100	100
Operating Area - Conifex	Conifex	IBS	T	1	628	628
Operating Area - Conifex	Conifex - Finlay/Swannell	IBS	T	1	657	657
Operating Area - Conifex	Conifex - Osilinka/Mesilinka	IBS	L	2	445	222
Operating Area - Conifex	Conifex - Osilinka/Mesilinka	IBS	T	9	5813	646
Operating Area - Conifex	Conifex - Parsnip	IBS	L	3	351	117
Operating Area - Conifex	Conifex - Parsnip	IBS	M	8	966	121
Operating Area - Conifex	Conifex - Parsnip	IBS	S	5	1462	292
					10421	
		T		7098		
		L		895		
		M		966		
		S		1462		
				10,421		

CanFor
Aerial Overview Surveys-AOS (2015)
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AREA_TYPE	AREA_NAME	FHF	SEVERITY	FREQ	SUM_Ha	Avg_Ha
Operating Area - Canfor	Canfor - Blackwater/Manson	IBS	L	4	547	137
Operating Area - Canfor	Canfor - Blackwater/Manson	IBS	M	1	800	800
Operating Area - Canfor	Canfor - Blackwater/Manson	IBS	T	7	2014	288
Operating Area - Canfor	Canfor - Ospika	IBS	T	1	117	117
Operating Area - Canfor	Canfor - Phillip	IBS	L	5	816	163
Operating Area - Canfor	Canfor - Phillip	IBS	M	1	15	15
Operating Area - Canfor	Canfor - Phillip	IBS	S	1	84	84
Operating Area - Canfor	Canfor - Phillip	IBS	T	2	275	137

4668 Ha.

T	2406	Ha.
L	1363	Ha.
M	815	Ha.
S	84	Ha.
	<u>4668</u>	

Parks, Eco Reserves
Aerial Overview Surveys-AOS (2015)
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AREA_TYPE	AREA_NAME	FHF	SEVERITY	FREQ	SUM_Ha	Avg_Ha
ECOLOGICAL RESERVE	CHUNAMON CREEK ECOLOGICAL RESERVE	IBS	T	1	230	230
PROVINCIAL PARK	BIJOUX FALLS PARK	IBS	M	1	7	7
PROVINCIAL PARK	OMINECA PARK	IBS	L	1	283	283
PROVINCIAL PARK	OMINECA PARK	IBS	T	2	235	118
PROVINCIAL PARK	PINE LE MORAY PARK	IBS	L	4	1761	440
PROVINCIAL PARK	PINE LE MORAY PARK	IBS	M	2	412	206
Resource Management Zones	Nation	IBS	L	1	98	98
					3025	Ha

T	465 Ha
L	2142 Ha
M	419 Ha
S	
3025	

Community Forest
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AREA_TYPE	AREA_NAME	FHF	SEVERITY	FREQ	SUM_Ha	Avg_Ha
Community Forest	Cut Thumb-1	IBS	L	4	344	86
Community Forest	Dastaiga-1	IBS	L	1	42	42
Community Forest	Gagnon-1	IBS	L	2	284	142
Community Forest	Gagnon-1	IBS	M	1	199	199
Community Forest	Morfee-1	IBS	M	2	1	1
Community Forest	Morfee-3	IBS	M	2	606	303
Community Forest	Morfee-3	IBS	S	2	288	144
					<u>1764</u>	
		T	0			
		L	669			
		M	806			
		S	288			
			<u>1764</u>			