

## 2001 Forest Health Survey Summary Data

Data is hectares affected (all severity classes)

<b>Bark Beetles</b>							
<b>Disturbance Type (Pest Code)</b>	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
IBM=Mountain Pine Beetle	113,269	103,792	29,739	327,346	201,740	9,611	785,497
IBS=Spruce Beetle	449	1,197	1,855	65,323	31,751	21	100,599
IBB=Western Balsam Bark Beetle	16,096	42,355	23,181	739,258	248,274	3,536	1,072,701
IBD=Douglas-fir Beetle	94	3,474	4,631	0	1,878	4,795	14,873
IBI=Engraver Beetles	0	41	0	0	0	1	42
IBW=Western Pine Beetle	0	0	43	0	0	0	43
IBT=Red Turpentine Beetle	0	0	0	0	0	0	0
<b>Total Bark Beetles</b>	<b>127,973</b>	<b>150,859</b>	<b>59,450</b>	<b>1,131,927</b>	<b>483,644</b>	<b>17,967</b>	<b>1,971,820</b>

<b>Defoliators</b>							
<b>Disturbance Type (Pest Code)</b>	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
ID=Defoliators	0	0	0	0	0	851	851
IDH=Western Blackheaded Budworm	1,851	0	0	136	0	0	1,986
IDB=2-Year Budworm	0	20,297	0	0	100,963	0	121,260
IDE=Spruce Budworm	0	0	0	0	1,612,314	0	1,612,314
IDL=Western Hemlock Looper	4,445	2	301	2,021	0	33	6,801
IDS=Conifer Sawflies	87	0	0	0	0	0	87
IDK=Northern Tent Caterpillar	0	0	0	0	0	0	0
IDF=Forest Tent Caterpillar	0	0	0	1,230	59,164	21	60,415
IDW=Western Spruce Budworm	1,759	99,732	22,414	0	0	0	123,638
IDN=Birch Leaf Miner	0	0	4,466	0	0	0	4,466
IDU=Satin Moth	0	6,577	2,032	0	0	86	8,695
IAS=Green Spruce Aphid	0	0	0	0	0	0	0

IDI=Pine needle sheathminer	0	0	0	0	0	0	0
IDT=Douglas-fir Tussock Moth	0	0	49	0	0	0	49
IDZ=False Hemlock Looper	0	0	0	0	0	115	115
<b>Total Defoliators</b>	<b>8,141</b>	<b>126,607</b>	<b>29,263</b>	<b>3,387</b>	<b>1,772,440</b>	<b>991</b>	<b>1,940,829</b>

## Abiotics

<b>Disturbance Type (Pest Code)</b>	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
NB=Fire	76	119	2,226	28	4,052	455	6,956
NW=Windthrow	0	15	16	47	0	345	423
ND=Drought	0	0	0	0	0	3	3
NF=Flooding	15	690	11	1,379	3,707	0	5,802
NGK=Shoot/Bud Frost Kill	0	273	0	0	0	0	273
NR=Redbelt	0	0	0	243	103	0	346
<b>Total Abiotics</b>	<b>91</b>	<b>1,097</b>	<b>2,253</b>	<b>1,697</b>	<b>7,862</b>	<b>803</b>	<b>13,803</b>

## Diseases

<b>Disturbance Type (Pest Code)</b>	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
DFL=Pine Needle Cast	0	0	156	0	0	62	218
DRA=Armillaria Root Disease	0	0	0	0	1	113	114
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0	0	0	0
DSB=White Pine Blister Rust	1	0	0	0	0	45	45
DFH=Larch Needle Cast	0	0	0	0	0	0	0
DRB=Blackstain root disease	0	0	0	0	0	0	0
DLV=Venturia spp	0	0	0	22,439	162	0	22,601
<b>Total Diseases</b>	<b>1</b>	<b>0</b>	<b>156</b>	<b>22,439</b>	<b>163</b>	<b>220</b>	<b>22,978</b>

## Animals

<b>Disturbance Type (Pest Code)</b>	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
AB=Bear	925	0	0	0	0	347	1,272

AP=Porcupine	0	0	0	1,287	0	170	1,457
AD=Deer	0	0	0	0	0	33	33
<b>Total Animals</b>	<b>925</b>	<b>0</b>	<b>0</b>	<b>1,287</b>	<b>0</b>	<b>550</b>	<b>2,762</b>

### Total Other (Abiotics, Diseases & Animals)

	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
	1,015	1,097	2,409	15,823	5,271	1,573	27,189

### Overall Totals Per Year

	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
<b>Total Year</b>	<b>139,066</b>	<b>220,010</b>	<b>91,122</b>	<b>1,160,737</b>	<b>2,261,355</b>	<b>20,531</b>	<b>3,892,822</b>

(1) - Diseases other than foliage diseases are very difficult to accurately map using aerial overview style surveys. The totals presented here are not an accurate depiction of dwarf mistletoe and root disease incidence in the province. More accurate data is obtained using ground surveys.

A large proportion of the province was covered by the aerial overview survey in 2001. Only a small number of districts in (part of North Coast, portions of the Cassiar, South Island FD, Campbell River FD) were not flown due to a known lack of activity, limited time, poor weather and lack of funding. Operational data was included in this summary only from Ft. Nelson Forest District, the southern third of the Lakes FD and all of Cariboo Forest Region.