

2000 Forest Health Survey Summary Data

Data is hectares affected (all severity classes)

Bark Beetles							
Disturbance Type (Pest Code)	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	21,714	38,743	19,761	127,003	66,439	10,382	284,041
IBS=Spruce Beetle	225	1,718	899	26,879	76,083	224	106,027
IBB=Western Balsam Bark Beetle	5,989	15,097	24,590	113,942	380,662	18,557	558,836
IBD=Douglas-fir Beetle	874	3,135	2,105	0	2,087	7,836	16,036
IBI=Engraver Beetles	0	0	0	0	0	5,678	5,678
IBW=Western Pine Beetle	0	0	4.8	0	0	0.5	5.3
Total Bark Beetles	28,802	58,692	47,359	267,824	525,271	42,676	970,623

Defoliators							
Disturbance Type (Pest Code)	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	2,918	2,918
IDH=Western Blackheaded Budworm	31,391	0	0	0	0	0	31,391
IDB=2-Year Budworm	0	0	79,361	0	615,749	1	695,111
IDE=Spruce Budworm	0	0	0	116	1,575,072	0	1,575,188
IDL=Western Hemlock Looper	532	31,681	0	1,832	406	392	34,843
IDS=Conifer Sawflies	0	0	0	0	0	0	0
IDK=Northern Tent Caterpillar	0	27	0	0	0	0	27
IDF=Forest Tent Caterpillar	0	0	0	0	213,934	0	213,934
IDW=Western Spruce Budworm	0	0	14,690	0	0	0	14,690
IDN=Birch Leaf Miner	0	169	0	464	0	0	634
IDU=Satin Moth	0	0	496	0	0	0	496
IAS=Green Spruce Aphid	0	0	0	0	0	91	91
IDI=Pine needle sheathminer	0	221	0	0	0	5,705	5,926

Total Defoliators **31,923** **32,098** **94,547** **2,412** **2,405,161** **9,107** **2,575,249**

Abiotics

Disturbance Type (Pest Code)	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
NB=Fire	0	46	557	0	4,562	353	5,519
NW=Windthrow	0	194	10	1	109	396	710
ND=Drought	22	0	0	0	0	519	541
NF=Flooding	26	537	28	0	380	9	981
NGK=Shoot/Bud Frost Kill	0	104	0	0	0	0	104
NB=Fire	0	46	557	0	4,562	353	5,519
NW=Windthrow	0	194	10	1	109	396	710
Total Abiotics	48	881	596	1	5,052	1,277	7,854

Diseases

Disturbance Type (Pest Code)	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	57	43	6,406	0	0	8,480	14,987
DRA=Armillaria Root Disease	0	0	0	0	0	0	0
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0	0	0	0
DSB=White Pine Blister Rust	0	0	0	0	0	240	240
DFH=Larch Needle Cast	0	0	0	0	0	3,800	3,800
DRB=Blackstain root disease	0	0	16	0	0	0	16
Total Diseases	57	43	6,422	0	0	12,519	19,042

Animals

Disturbance Type (Pest Code)	Vancouver Forest Region	Cariboo Forest Region	Kamloops Forest Region	Prince Rupert Forest Region	Prince George Forest Region	Northern Forest Region	Whole Province
AB=Bear	0	0	0	0	0	593	593
AP=Porcupine	0	0	0	0	0	59	59
AD=Deer	0	0	0	0	0	0	0
Total Animals	0	0	0	0	0	652	652

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
105	924	7,018	0	5,052	14,448	27,548

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
60,829	91,715	148,924	270,237	2,935,484	66,232	3,573,420

(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.

(2) - Two-year cycle budworm in most of north-central B.C. is considered to be on its "on" cycle in 1999 and has caused extensive defoliation. However, it was "off-cycle" in the Robson Valley District, Prince George Forest Region in 1999 and "on-cycle" in 2000 for unknown reasons.

Aerial overview survey methods were used for the majority of the provincial coverage. Other than three districts in the Vancouver Forest Region (Sunshine Coast, South Island, Campbell River) that were not flown due to a known lack of activity, the remaining coverage was supplied using operational data from all or parts of the following forest districts: all of Cariboo Forest Region, Ft. St. James (partial), Prince George (partial), Vanderhoof (partial), Mackenzie, Ft. Nelson, Cranbrook, Bulkley, Lakes, and Morice. Known data to be missing: some mountain pine beetle data from Columbia (Golden) Forest District.

Note: Some totals may not add up correctly due to rounding errors