

2002 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	174,171	539,315	35,903	511,798	685,598	21,856	1,968,641
IBS=Spruce Beetle	1,423	4,692	1,027	8,621	253,159	74	268,995
IBB=Western Balsam Bark Beetle	4,312	142,817	24,455	251,451	566,350	1,128	990,515
IBD=Douglas-fir Beetle	372	5,114	2,697	0	9	885	9,078
IBI=Engraver Beetles	0	0	0	0	0	111	111
IBW=Western Pine Beetle	0	0	0	0	0	3	3
IBL=Lodgepole Pine Beetle	0	0	0	1,301	1	0	1,301
IBT=Red Turpentine Beetle	0	0	0	0	0	3	3
Total Bark Beetles	180,278	691,939	64,083	773,171	1,505,117	24,060	3,238,647

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	211	0	6,606	6,817
IDH=Western Blackheaded Budworm	0	0	0	0	0	0	0
IDB=2-Year Budworm	50	71,885	64,203	12	24,080	0	160,231
IDE=Spruce Budworm	0	0	0	0	0	0	0
IDL=Western Hemlock Looper	2,054	24,117	6,940	1	0	10,719	43,830
IDS=Conifer Sawflies	0	0	0	142	0	0	142
IDK=Northern Tent Caterpillar	0	0	0	0	0	0	0
IDF=Forest Tent Caterpillar	0	0	1	0	4,126	0	4,127
IDW=Western Spruce Budworm	5,188	401,999	80,255	0	0	0	487,443
IDN=Birch Leaf Miner	0	0	9,720	0	0	8,464	18,184
IDU=Satin Moth	0	45,025	369	0	0	0	45,394

IAS=Green Spruce Aphid	0	0	0	0	0	0	0
IDI=Pine needle sheathminer	0	0	0	0	129	31	160
IDT=Douglas-fir Tussock Moth	0	0	1	0	0	0	1
IDP=Larch Sawfly	0	0	0	0	0	0	0
IDZ=False Hemlock Looper	0	0	512	0	0	3,562	4,074
Total Defoliators	7,291	543,027	162,001	366	28,336	29,382	770,403

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	9	0	1,472	1,904	1,794	0	5,179
NW=Windthrow	11	0	61	193	168	27	460
ND=Drought	78	0	0	0	0	0	78
NF=Flooding	4	777	9	1,889	2,224	0	4,902
NGK=Shoot/Bud Frost Kill	0	0	0	0	0	0	0
NS=Slide	0	0	0	378	56	45	479
NR=Redbelt	0	0	0	0	0	0	0
Total Abiotics	102	777	1,542	4,364	4,241	73	11,099

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	0	265,930	469	0	1,884	32	268,314
DRA=Armillaria Root Disease	0	0	2	0	0	0	2
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0	0	0	0
DSB=White Pine Blister Rust	0	0	0	0	137	88	225
DFH=Larch Needle Cast	0	0	0	0	0	0	0
DRB=Blackstain root disease	0	0	0	0	0	0	0
DFS=Redband Needle Blight	0	0	0	1,137	28	0	1,165
DFM=Larch Needle Blight	0	0	0	0	0	868	868
DLV=Venturia spp	0	0	0	47,239	32,918	0	80,156
Total Diseases	0	265,930	471	48,375	34,967	988	350,730

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	796
AP=Porcupine		0	0	0	527	5,717	0
AD=Deer		0	0	0	1	0	0
Total Animals		0	0	0	528	5,717	796

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
	102	266,706	2,012	40,022	44,925	1,856	355,624

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
Total Year	187,671	1,501,672	228,096	826,804	1,578,378	55,298	4,377,920

(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 2002. Only a small number of districts in (portions of the Cassiar, South Island FD, Campbell River FD, and Ft. Nelson FD) were not flown due to a known lack of activity, limited time, and poor weather.