

1999 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	16,779	32,275	28,467	49,069	31,541	6,436	164,567
IBS=Spruce Beetle	454	2,933	85	619	46,335	157	50,582
IBB=Western Balsam Bark Beetle	2,448	19,237	14,248	264,523	304,393	2,557	607,406
IBD=Douglas-fir Beetle	41	769	266	0	591	1,056	2,723
IBI=Engraver Beetles	0	456	0	0	0	0	456
IBW=Western Pine Beetle	0	0	311	0	0	23	334
Total Bark Beetles	19,722	55,670	41,358	314,211	382,860	10,228	826,068

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	627	0	0	265	0	892
IDH=Western Blackheaded Budworm	61,219	0	0	0	0	0	61,219
IDB=2-Year Budworm	0	18,071	0	2,807	795,041	0	815,919
IDE=Spruce Budworm	0	0	0	17,730	1,265,965	0	1,283,695
IDL=Western Hemlock Looper	0	0	0	0	2,426	0	2,426
IDS=Conifer Sawflies	0	0	0	0	1,418	0	1,418
IDK=Northern Tent Caterpillar	0	0	0	331	0	0	331
IDF=Forest Tent Caterpillar	0	702	0	0	0	0	702
IDW=Western Spruce Budworm	0	930	223	0	0	0	1,152
IDN=Birch Leaf Miner	0	0	0	0	0	12	12
IDU=Satin Moth	0	0	320	0	0	525	845
IAS=Green Spruce Aphid	0	0	0	2,074	0	0	2,074
Total Defoliators	61,219	20,330	543	22,942	2,065,115	537	2,170,686

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	0	0	0	6,691	16	6,707
NW=Windthrow		0	108	1,697	0	602	2,787	5,193
ND=Drought		0	0	82	0	0	492	574
NF=Flooding	979	556	9,261	0	0	69	10,865	
NGK=Shoot/Bud Frost Kill	0	0	91	0	0	0	91	
Total Abiotics	979	664	11,130	0	7,293	3,363	23,430	

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	138	0	0	0	138
DRA=Armillaria Root Disease		0	0	265	0	0	265
DMP=Lodgepole Pine Dwarf Mistletoe		0	0	0	0	2	2
DSB=White Pine Blister Rust		0	0	0	0	0	42
DFH=Larch Needle Cast		0	0	0	0	0	33
Total Diseases	0	138	265	0	2	74	479

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	141
AP=Porcupine		0	0	1	0	2	3
AD=Deer		0	0	2	0	0	2
Total Animals	0	0	7	0	0	141	147

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
	979	802	11,404	0	7,294	3,579	24,058

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	81,921	76,802	53,305	337,153	2,455,270	14,344	3,018,793

(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 is "off-cycle" in the Robson Valley District, Prince George Forest Region for unknown reasons.