

2008 Forest Health Survey Summary Data

Surveys conducted from July to September 2008

Data is hectares affected (all severity classes)

Bark Beetles				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
IBM=Mountain Pine Beetle	124,844	4,812,915	2,904,234	7,841,993
IBS=Spruce Beetle	313	20,539	7,023	27,874
IBB=Western Balsam Bark Beetle	23,424	184,846	323,795	532,064
IBD=Douglas-fir Beetle	1,706	94,302	1,045	97,053
IBF=Fir engraver beetle	0	0	0	0
IBI=Engraver beetle	0	0	1	1
IBW=Western Pine Beetle	0	0	0	0
IBL=Lodgepole Pine Beetle	0	0	0	0
IBT=Red Turpentine Beetle	0	0	0	0
IB=Unknown Beetle	7	0	0	7
Total Bark Beetles	150,293	5,112,601	3,236,098	8,498,992

Defoliators				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
ID=Defoliators	371	697	770	1,838
IDH=Western Blackheaded Budworm	0	0	0	0
IDB=2-Year Budworm	0	54,136	2,483	56,619
IDE=Spruce Budworm	0	0	0	0
IDL=Western Hemlock Looper	0	537	0	537
IDS=Conifer Sawflies	0	0	0	0
IDK=Northern Tent Caterpillar	0	0	0	0
IDF=Forest Tent Caterpillar	0	9,645	540	10,185
IDW=Western Spruce Budworm	16,016	766,224	0	782,240
IDN=Birch Leaf Miner	0	738	0	738
IDU=Satin Moth	0	127	0	127
IAB=Balsam Woolly Adelgid	6	0	0	6
IAS=Green Spruce Aphid	0	0	0	0
IDI=Pine needle sheathminer	0	0	0	0
IDT=Douglas-fir Tussock Moth	0	2,597	0	2,597
IDX=Large Aspen Tortrix	0	0	1,546	1,546
IDP=Larch Sawfly	0	0	0	0
IDR=Alder Sawfly	427	0	0	427
IDZ=False Hemlock Looper	0	0	0	0
ID2=Bruce Spanworm	0	0	97,804	97,804
ID6=Aspen Leaf Miner	0	10,827	5,814	16,641
Total Defoliators	16,821	845,827	108,956	971,304

Abiotics

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
NB=Fire	133	3,836	25,640	29,609
NCA=Aspen Decline	0	0	105	105
NCB=Birch Decline	0	0	0	0
NCY=Yellow Cedar Decline	41,972	0	5,158	47,130
NW=Windthrow	1,015	3,625	1,158	5,798
ND=Drought	37	0	200	237
NF=Flooding	182	85	1,692	1,959
NGK=Shoot/Bud Frost Kill	0	0	0	0
NS=Slide	319	23	1,992	818
NR=Redbelt	0	0	0	0
NY=Snow/Ice	0	0	0	0
Total Abiotics	43,725	7,618	35,945	87,288

Diseases				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DF=Unknown Foliar Disease	0	0	0	0
DFL=Pine Needle Cast	0	0	16,912	16,912
DRA=Armillaria Root Disease	0	0	0	0
DR=Unknown Root Disease	111	0	0	111
DRL=Laminated Root Disease	626	0	0	626
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	167	0	0	167
DSC=Comandra Blister Rust	0	0	0	0
DFH=Larch Needle Blight	0	12,285	0	12,285
DFR=Douglas-fir Needle Cast	0	471	0	471
DRB=Blackstain root disease	0	0	0	0
DFM=Larch Needle Cast	0	0	0	0
DFS=Redband (Dothistroma) Needle Blight	0	0	53,505	53,505
DL=Unkown dieback	0	0	0	0
DLV=Venturia spp	0	0	1,189	1,189
PDT=Cedar Leaf Blight	0	0	0	0
Total Diseases	903	12,756	71,605	85,264

Animals				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	22	0	0	22
AC=Cattle	0	0	0	0
AP=Porcupine	0	0	0	0
AD=Deer	0	0	0	0
Total Animals	22	0	0	22

Total Other (Abiotics, Diseases & Animals)				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	44,651	20,374	107,550	172,575

Overall Totals Per Year

	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
Total Year	211,764	6,019,952	3,452,604	9,642,872

(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.

85% of the Provincial land base was surveyed. Areas not flown in this year's survey included portions of the Mackenzie, Fort Nelson, Vancouver Island, Mid-Coast, Haida Gwaii, Ft St James and Cassiar areas due to weather and resource constraints.

(2) Fire data was collected by the overview survey and augmented, where available, with data provided by MFR Protection Branch.