

2007 Forest Health Survey Summary Data

Surveys conducted from July to September 2007

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	199,522	5,380,729	4,471,668	10,051,919
IBS=Spruce Beetle	483	35,777	515	36,775
IBB=Western Balsam Bark Beetle	23,147	434,181	1,107,336	1,564,664
IBD=Douglas-fir Beetle	1,172	78,926	677	80,776
IBF=Fir engraver beetle	0	0	0	0
IBI=Engraver beetle	0	0	0	0
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	1	0	0	1
Total Bark Beetles	224,324	5,929,613	5,580,197	11,734,134

Defoliators				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
ID=Defoliators	2,121	0	2,550	4,672
IDH=Western Blackheaded Budworm	0	588	0	588
IDB=2-Year Budworm	0	7,688	32,166	39,854
IDE=Spruce Budworm	0	0	1,137	1,137
IDL=Western Hemlock Looper	804	0	16	820
IDS=Conifer Sawflies	0	0	0	0
IDK=Northern Tent Caterpillar	0	0	0	0
IDF=Forest Tent Caterpillar	3	0	2,827	2,829
IDW=Western Spruce Budworm	43,040	804,305	0	847,344
IDN=Birch Leaf Miner	0	14	0	14
IDU=Satin Moth	0	34	0	34
IAB=Balsam Woolly Adelgid	860	0	0	860
IAS=Green Spruce Aphid	604	0	0	604
IDI=Pine needle sheathminer	0	0	0	0
IDT=Douglas-fir Tussock Moth	0	88	0	88
IDX=Large Aspen Tortrix	0	0	61,910	61,910
IDP=Larch Sawfly	0	0	0	0
IDR=Alder Sawfly	466	0	0	466
IDZ=False Hemlock Looper	0	0	0	0
ID6=Aspen Leaf Miner	0	0	1,185	1,185
Total Defoliators	47,898	812,716	101,791	962,405

Abiotics				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province

NB=Fire	74	22,803	10,879	33,756
NCA=Aspen Decline	0	0	0	0
NCB=Birch Decline	0	0	0	0
NCY=Yellow Cedar Decline	23,929	0	353	24,283
NW=Windthrow	2,319	1,147	3,337	6,803
ND=Drought	14	0	0	14
NF=Flooding	283	15	1,029	1,328
NGK=Shoot/Bud Frost Kill	173	0	0	173
NS=Slide	319	23	476	818
NR=Redbelt	0	0	86	86
NY=Snow/Ice	0	0	24	24
Total Abiotics	27,111	23,989	16,184	67,284

Diseases

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DF=Unknown Foliar Disease	484	0	0	484
DFL=Pine Needle Cast	0	0	0	0
DRA=Armillaria Root Disease	17	0	0	17
DR=Unknown Root Disease	35	0	0	35
DRL=Laminated Root Disease	404	0	0	404
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	448	0	0	448
DSC=Comandra Blister Rust	0	0	0	0
DFH=Larch Needle Cast	0	13,540	0	13,540
DRB=Blackstain root disease	0	0	0	0
DFM=Larch Needle Blight	0	0	0	0
DFS=Redband (Dothistroma) Needle Blight	0	8	2,589	2,597
DLV=Venturia spp	0	0	1,313	1,313
PDT=Cedar Leaf Blight	807	0	720	1,528
Total Diseases	2,196	13,548	4,622	20,366

Animals

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	0	0	0	0
AC=Cattle	0	0	0	0
AP=Porcupine	0	0	5	5
AD=Deer	0	0	0	0
Total Animals	0	0	5	5

Total Other (Abiotics, Diseases & Animals)

	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	29,307	37,537	20,811	87,655

Overall Totals Per Year

	Coastal Forest Region	Southern Interior	Northern Interior	Whole Province
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		Forest Region	Forest Region	
Total Year	301,530	6,854,939	5,702,799	12,784,194

(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.

As in previous years, approximately 78% of the forested land base was surveyed. Areas not flown were portions of the Mackenzie, Ft. St. James, Mid-Coast and Cassiar areas due to weather and resource constraints. Data gaps for parts of the Mackenzie and Ft. St. James Forest Districts were filled using operational aerial survey data.

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