

2009 Forest Health Survey Summary Data

Surveys conducted from July to September 2009

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	70,961	2,343,711	6,538,769	8,953,441
IBS=Spruce Beetle	56	25,517	5,218	30,791
IBB=Western Balsam Bark Beetle	7,944	234,683	1,485,092	1,727,719
IBD=Douglas-fir Beetle	1,518	97,406	1,963	100,887
IBF=Fir engraver beetle	0	12	0	12
IBI=Engraver beetle	0	33	420	543
IBW=Western Pine Beetle	0	0	0	0
IBL=Lodgepole Pine Beetle	0	0	2	2
IBT=Red Turpentine Beetle	0	0	0	0
IB=Unknown Beetle	0	7	0	7
Total Bark Beetles	80,479	2,701,368	8,031,465	10,813,313

Defoliators				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
ID=Defoliators	589	303	19,562	20,454
IDH=Western Blackheaded Budworm	13,937	0	10,719	24,656
IDB=2-Year Budworm	30	4,509	392,155	396,694
IDE=Spruce Budworm	0	0	99	99
IDL=Western Hemlock Looper	84	892	3,014	3,990
IDS=Conifer Sawflies	0	0	84	85
IDK=Northern Tent Caterpillar	0	0	0	0
IDF=Forest Tent Caterpillar	0	28,642	1,180	29,821
IDW=Western Spruce Budworm	6,534	759,591	0	766,125
IDN=Birch Leaf Miner	0	735	0	735
IDU=Satin Moth	0	1,608	0	1,608
IAB=Balsam Woolly Adelgid	0	0	0	0
IAS=Green Spruce Aphid	0	0	0	0
IDI=Pine needle sheathminer	0	0	0	0
ID2=Bruce Spanworm	0	0	637,347	637,347
IDT=Douglas-fir Tussock Moth	0	17,512	0	17,512
IDX=Large Aspen Tortrix	0	0	45	45

IDP=Larch Sawfly	0	0	0	0
IED=Hemlock Sawfly	0	0	10,646	10,646
IDR=Alder Sawfly	0	0	0	0
IDZ=False Hemlock Looper	0	0	0	0
ID6=Aspen Leaf Miner	374	51,762	50,473	102,609
Total Defoliators	21,549	865,553	1,125,323	2,012,426

Abiotics

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
NB=Fire	12,950	198,693	72,348	283,992
NCA=Aspen Decline	0	0	0	0
NCB=Birch Decline	0	245	0	245
NCY=Yellow Cedar Decline	7,378	0	631	8,009
NW=Windthrow	1	925	2,499	3,425
ND=Drought	1,475	1,716	62,627	65,817
NF=Flooding	204	46	3,663	3,913
NGK=Shoot/Bud Frost Kill	0	0	0	0
NH=Hail	0	970	3,260	4,230
NS=Slide	209	419	205	833
NR=Redbelt	0	679	506	1,185
NY=Snow/Ice	0	917	0	917
Total Abiotics	22,217	204,610	145,739	372,567

Diseases

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DF=Unknown Foliar Disease	0	71	150	222
DFL=Pine Needle Cast	323	19	6,680	7,022
DRA=Armillaria Root Disease	0	1	0	1
DFB=Delphinella needle cast	0	0	3,383	3,383
DR=Unknown Root Disease	0	0	0	0
DRL=Laminated Root Disease	192	0	0	192
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	25	4	0	29
DSC=Comandra Blister Rust	0	0	0	0
DFH=Larch Needle Cast	0	1,841	46	1,887
DRB=Blackstain root disease	0	0	0	0
DFM=Larch Needle Blight	0	0	0	0
DFS=Redband (Dothistroma) Needle	0	0	27,255	27,255

Blight				
DL=Unknown dieback	0	6	0	6
DLV=Venturia spp	0	0	8,584	8,584
PDT=Cedar Leaf Blight	0	0	0	0
Total Diseases	540	1,942	46,099	48,580

Animals				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	0	0	0	0
AP=Porcupine	1	9	1	11
AD=Deer	0	0	0	0
Total Animals	1	9	1	11

Total Other (Abiotics, Diseases & Animals)				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	22,758	206,561	191,839	421,158

Overall Totals Per Year				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
Total Year	124,786	4,186,604	9,348,627	13,246,896

(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.