

2010 Forest Health Survey Summary Data

Surveys conducted from July to September 2010

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	21,857	559,909	5,669,820	6,251,586
IBS=Spruce Beetle	46	29,943	107	30,096
IBB=Western Balsam Bark Beetle	4,467	183,296	1,584,632	1,772,395
IBD=Douglas-fir Beetle	3,557	11,389	843	15,789
IBF=Fir engraver beetle	0	0	0	0
IBP=Twig 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	0	0	0	0
Total Bark Beetles	29,928	784,536	7,255,402	8,069,865

Defoliators				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
ID=Defoliators	5,609	31	33,316	38,957
IDH=Western Blackheaded Budworm	87,497	155	5,589	93,241
IDB=2-Year Budworm	0	70,694	26,390	97,084
IDE=Spruce Budworm	0	0	0	0
IDL=Western Hemlock Looper	282	3,036	0	3,318
IDC=Larch Casebearer	0	6	0	6
IDS=Conifer Sawflies	0	0	0	0
IDK=Northern Tent Caterpillar	0	0	0	0
IDF=Forest Tent Caterpillar	16	37,844	94,766	132,626
IDW=Western Spruce Budworm	1,017	499,104	0	500,121
IDN=Birch Leaf Miner	0	8,418	0	8,418
IDU=Satin Moth	0	9	0	9
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	1,675,014	1,675,014

IDT=Douglas-fir Tussock Moth	0	16,303	0	16,303
IDX=Large Aspen Tortrix	0	0	0	0
IDP=Larch Sawfly	0	0	0	0
IEB=Hemlock Sawfly	0	0	0	0
IDR=Alder Sawfly	0	0	0	0
IDZ=False Hemlock Looper	0	220	0	220
ID6=Aspen Leaf Miner	1,389	67,282	140,933	209,604
Total Defoliators	95,810	703,102	1,976,008	2,774,920

Abiotics				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
N	0	0	10	10
NAV=Avalanche or snow slide	72	18	11	101
NB=Fire	20,269	161,171	120,715	302,155
NCA=Aspen decline	0	0	0	0
NCB=Birch decline	0	0	128	128
NCY=Yellow cedar decline	10,726	0	258	10,984
NW=Windthrow	229	2,536	484	3,249
ND=Drought	245	424	19	688
NF=Flooding	316	81	4,042	4,439
NGK=Shoot/Bud Frost Kill	0	0	0	0
NH=Hail	0	0	0	0
NS=Slide	1,675	254	364	2,292
NR=Redbelt	0	0	880	880
NY=Snow/Ice	0	0	1	1
Total Abiotics	33,532	164,484	126,910	324,926

Diseases				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DF=Diseases	0	0	0	0
DFL=Pine Needle Cast	0	20	2,964	2,984
DRA=Armillaria Root Disease	87	0	0	87
DFB=Delphinella needle cast	0	0	0	0
DR=Unknown Root Disease	0	0	0	0
DRL=Laminated Root Disease	2,251	0	0	2,251
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	2,394	2	0	2,396
DSC=Comandra Blister Rust	0	0	0	0
DFH=Larch Needle Blight	0	3,317	0	3,317

DRB=Blackstain root disease	0	0	0	0
DFM=Larch Needle Cast	0	2	0	2
DFR=Douglas-fir Needle Cast	260	0	0	260
DFS=Redband Needle Blight	0	0	7,413	7,413
DL=Unknown Dieback	0	0	0	0
DLV=Venturia spp	195	0	6,426	6,621
PDT=Cedar Leaf Blight	0	0	0	0
Total Diseases	5,186	3,340	16,803	25,329

Animals				
Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	0	82	0	82
AP=Porcupine	0	2	11	13
AD=Deer	0	0	0	0
Total Animals	0	84	11	94

Total Other (Abiotics, Diseases & Animals)				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	38,719	167,908	143,724	350,350

Overall Totals Per Year				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
Total Year	164,456	1,991,361	9,375,134	11,195,135

(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.