

## 2004 Forest Health Survey Summary Data

Surveys conducted from July to September 2004

Data is hectares affected (all severity classes)

<b>Bark Beetles</b>				
<b>Disturbance Type (Pest Code)</b>	<b>Coastal Forest Region</b>	<b>Southern Interior Forest Region</b>	<b>Northern Interior Forest Region</b>	<b>Whole Province</b>
IBM=Mountain Pine Beetle	212,620	4,185,119	2,624,147	7,021,886
IBS=Spruce Beetle	2,152	76,685	25,974	104,810
IBB=Western Balsam Bark Beetle	55,711	290,691	1,671,193	2,017,595
IBD=Douglas-fir Beetle	2,691	31,376	59	34,126
IBF=Fir engraver beetle	0	1,358	0	1,358
IBW=Western Pine Beetle	0	0	351	351
IBL=Lodgepole Pine Beetle	0	0	0	0
IBT=Red Turpentine Beetle	0	0	0	0
<b>Total Bark Beetles</b>	<b>273,174</b>	<b>4,585,581</b>	<b>4,321,372</b>	<b>9,180,126</b>

<b>Defoliators</b>				
<b>Disturbance Type (Pest Code)</b>	<b>Coastal Forest Region</b>	<b>Southern Interior Forest Region</b>	<b>Northern Interior Forest Region</b>	<b>Whole Province</b>
ID=Defoliators	0	0	0	0
IDH=Western Blackheaded Budworm	90	139	0	229
IDB=2-Year Budworm	0	51,171	0	51,171
IDE=Spruce Budworm	0	0	29,648	29,648
IDL=Western Hemlock Looper	241	5,509	0	5,750
IDS=Conifer Sawflies	0	0	0	0
IDK=Northern Tent Caterpillar	0	0	872	872
IDF=Forest Tent Caterpillar	0	9	0	9
IDW=Western Spruce Budworm	8,947	614,787	0	623,735
IDN=Birch Leaf Miner	0	672	0	672
IDU=Satin Moth	722	2,962	0	3,683
IAS=Green Spruce Aphid	0	0	0	0
IDI=Pine needle sheathminer	0	0	0	0
IDT=Douglas-fir Tussock Moth	0	0	0	0
IDX=Large Aspen Tortrix	0	0	429,526	429,526
IDP=Larch Sawfly	0	0	0	0
IDZ=False Hemlock Looper	0	0	0	0
<b>Total Defoliators</b>	<b>10,000</b>	<b>675,249</b>	<b>460,046</b>	<b>1,145,295</b>

<b>Abiotics</b>				
<b>Disturbance Type (Pest Code)</b>	<b>Coastal Forest Region</b>	<b>Southern Interior Forest Region</b>	<b>Northern Interior Forest Region</b>	<b>Whole Province</b>
NB=Fire	10,654	44,562	154,792	210,008
NW=Windthrow	88	5,220	409	5,717
ND=Drought	0	11,326	0	11,326
NF=Flooding	13	490	4,185	4,688
NGK=Shoot/Bud Frost Kill	0	1	0	1

NS=Slide	0	0	0	0
NR=Redbelt	0	8,506	1,420	9,926
<b>Total Abiotics</b>	<b>10,756</b>	<b>70,105</b>	<b>160,805</b>	<b>241,666</b>

<b>Diseases</b>				
<b>Disturbance Type (Pest Code)</b>	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DFL=Pine Needle Cast	0	152	0	152
DRA=Armillaria Root Disease	0	0	0	0
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	0	0	0	0
DSC=Comandra Blister Rust	0	0	0	0
DFH=Larch Needle Cast	0	0	0	0
DRB=Blackstain root disease	0	0	0	0
DFS=Redband Needle Blight	0	0	0	0
DFM=Larch Needle Blight	0	0	0	0
DFZ=Dothistroma	0	0	6	6
DLV=Venturia spp	0	0	51,227	51,227
<b>Total Diseases</b>	<b>0</b>	<b>152</b>	<b>51,233</b>	<b>51,386</b>

<b>Animals</b>				
<b>Disturbance Type (Pest Code)</b>	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	0	139	0	140
AP=Porcupine	0	0	24	24
AD=Deer	0	0	2	2
<b>Total Animals</b>	<b>0</b>	<b>139</b>	<b>26</b>	<b>165</b>

<b>Total Other (Abiotics, Diseases &amp; Animals)</b>				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	<b>10,756</b>	<b>70,397</b>	<b>212,064</b>	<b>293,217</b>

<b>Overall Totals Per Year</b>				
	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
<b>Total Year</b>	<b>293,930</b>	<b>5,472,020</b>	<b>4,993,482</b>	<b>10,618,639</b>

(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, nearly all of the province was surveyed with the exceptions of portions of the Mid-Coast, Cassiar and Sunshine Coast due to weather and resource constraints.

(2) Fire data was collected by the overview survey. MOF Protection Branch and Ministry of Sustainable Resource Management have more precise records of area burned but the data was not available at the time of this posting.