2003 Forest Health Survey Summary Data

Surveys conducted from July to September 2003

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	214,770	2,420,421	1,431,626	4,066,817
IBS=Spruce Beetle	3,071	31,849	281,027	315,947
IBB=Western Balsam Bark Beetle	12,621	207,944	1,169,720	1,390,286
IBD=Douglas-fir Beetle	268	23,717	62	24,047
IBI=Engraver Beetles	0	260	45	305
IBW=Western Pine Beetle	0	112	0	112
IBL=Lodgepole Pine Beetle	0	0	363	363
IBT=Red Turpentine Beetle	0	0	0	0
Total Bark Beetles	**230,730**	**2,684,303**	**2,882,843**	**5,797,876**

Defoliators

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
ID=Defoliators	773	0	0	773
IDH=Western Blackheaded Budworm	706	151	0	857
IDB=2-Year Budworm	0	36,144	150,478	186,622
IDE=Spruce Budworm	0	0	166,490	166,490
IDL=Western Hemlock Looper	1,959	39,398	1,186	42,542
IDS=Conifer Sawflies	0	0	79	79
IDK=Northern Tent Caterpillar	0	0	0	0
IDF=Forest Tent Caterpillar	0	0	89	89
IDW=Western Spruce Budworm	16,203	506,033	0	522,236
IDN=Birch Leaf Miner	0	11,299	11,208	22,507
IDU=Satin Moth	0	37,819	0	37,819
IAS=Green Spruce Aphid	0	0	0	0
IDI=Pine needle sheathminer	0	0	0	0
IDT=Douglas-fir Tussock Moth	0	37	0	37
IDX=Large Aspen Tortrix	0	0	794,303	794,303
IDP=Larch Sawfly	0	0	0	0
IDZ=False Hemlock Looper	0	0	0	0
Total Defoliators	**19,641**	**630,880**	**1,123,833**	**1,774,354**

Abiotics

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
NB=Fire[2]	0	32,793	578	33,371
NW=Windthrow	0	147	66	213
ND=Drought	112	449	0	561
NF=Flooding	32	163	6,299	6,495
NGK=Shoot/Bud Frost Kill	0	37	71	108

NS=Slide	0	336	362	698
NR=Redbelt	0	0	1,205	1,205
Total Abiotics	**145**	**33,925**	**8,581**	**42,651**

Diseases

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
DFL=Pine Needle Cast	0	40,940	0	40,940
DRA=Armillaria Root Disease	0	5	0	5
DMP=Lodgepole Pine Dwarf Mistletoe	0	0	0	0
DSB=White Pine Blister Rust	0	192	0	192
DSC=Comandra Blister Rust	0	0	2,036	2,036
DFH=Larch Needle Cast	0	0	0	0
DRB=Blackstain root disease	0	0	0	0
DFS=Redband Needle Blight	0	0	2,209	2,209
DFM=Larch Needle Blight	0	32,478	0	32,478
DLV=Venturia spp	555	0	15,217	15,772
Total Diseases	**555**	**73,616**	**19,462**	**93,632**

Animals

Disturbance Type (Pest Code)	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
AB=Bear	173	279	0	452
AP=Porcupine	298	0	331	629
AD=Deer	0	0	0	0
Total Animals	**471**	**279**	**331**	**1,081**

Total Other (Abiotics, Diseases & Animals)

	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
	1,171	**107,819**	**28,373**	**137,363**

Overall Totals Per Year

	Coastal Forest Region	Southern Interior Forest Region	Northern Interior Forest Region	Whole Province
Total Year	**251,542**	**3,638,642**	**4,035,049**	**7,709,594**

(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 only represents what was collected by the overview survey. The actual total area burned was 248,131 ha provided by MOF Protection Branch and Ministry of Sustainable Resource Management.