

**1981 ANNUAL REPORT
STATISTICAL SUPPLEMENT**



**Province of British Columbia
Ministry of Forests**

June, 1982

G4-82033

FOREWORD

In accordance with the Ministry of Forests Act (1979), the Annual Report of the Ministry of Forests is now prepared on a fiscal year basis. The first Report written to meet the requirements of the new Act was released in December, 1981 and covered the activities of the Ministry in the 1980-81 fiscal year.

Under the new Act, the Ministry is required to concentrate its reporting effort on the fiscal year annual report which evaluates its performance in meeting the goals established in the Five-year Forest and Range Resource Program. As a result the calendar year statistical tables included in this supplement will not be published in subsequent years.

Comments regarding the planned elimination of these calendar year statistical tables should be addressed to:

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Table A.1

SUMMARY OF PLANTING, 1972-1981

Year	Forest Service on Crown Land		Forest Service on Crown Granted Land		Companies on Tree Farm Licences		Companies on Timber Sale Harvesting Licences		Other Private		Totals	
	Trees in Thousands	Ha	Trees in Thousands	Ha	Trees in Thousands	Ha	Trees in Thousands	Ha	Trees in Thousands	Ha	Trees in Thousands	Ha
1981	4 580.3	4 994.	-	10 002.4	11 872.	7 107.5	7 203.	6 192.5	6 651.	27 882.7	30 720.	
1980	5 342.0	4 870.	-	8 032.1	9 423.	3 891.7	3 621.	3 180.4	2 813.	20 446.2	20 727.	
1979	5 426.9	5 098.	-	10 112.1	13 085.	3 634.4	3 746.	3 551.8	3 864.	22 725.2	25 793.	
1978	5 922.7	5 202.	-	10 672.7	12 801.	3 290.2	3 804.	2 857.9	3 425.	22 743.5	25 232.	
1977	7 174.8	6 467.	-	13 159.0	15 646.	3 082.0	2 605.	4 772.7	5 122.	28 188.5	29 840.	
1976	6 549.3	5 973.	-	11 779.7	13 496.	2 937.8	2 610.	7 190.2	5 620.	28 457.0	27 699.	
1975	8 725.9	7 243.	-	9 522.9	10 357.	1 768.2	1 527.	4 123.5	4 142.	24 140.5	23 269.	
1974	8 352.1	8 147.	-	11 921.3	12 805.	1 374.2	1 223.	3 501.4	3 604.	25 149.0	25 779.	
1973	13 855.7	12 614.	-	12 769.1	13 757.	1 550.3	1 393.	4 046.0	4 053.	32 221.1	31 817.	
1972	12 998.8	12 326.	-	12 176.0	13 760.	187.6	153.	4 872.6	4 515.	30 235.0	30 754.	
Previous Planted	130 710.9	84 070.	15 468.9	121 768.3	131 679.	82.4	96.	48 550.6	53 261.	316 581.1	280 360.	
Totals to Date	209 639.4	157 004.	15 468.9	231 915.6	258 681.	28 906.3	27 981.	92 839.6	97 070.	578 769.8	551 990.	
Interior	17 044.8	13 733.	-	6 487.1	5 645.	34 689.6	26 109.	917.0	765.	59 138.5	46 252.	
1980	19 191.7	14 782.	-	4 216.0	3 545.	30 422.8	24 097.	695.0	525.	54 525.5	42 949.	
1979	13 266.2	10 530.	-	3 605.3	3 138.	22 983.5	18 256.	753.0	552.	40 608.0	32 476.	
1978	13 799.5	10 515.	-	4 192.4	3 718.	18 213.3	15 683.	806.0	593.	37 011.2	30 509.	
1977	17 503.4	13 995.	-	3 697.9	3 012.	16 156.9	13 107.	285.0	209.	37 643.2	30 323.	
1976	23 801.9	18 602.	-	3 526.0	2 947.	16 469.9	13 242.	566.4	502.	44 364.2	35 293.	
1975	24 712.8	21 054.	21.0	3 129.7	2 751.	12 588.8	10 050.	355.0	344.	40 807.3	34 215.	
1974	16 128.2	12 938.	-	3 076.8	3 199.	9 380.3	7 535.	82.8	36.	28 668.1	23 708.	
1973	14 371.1	10 954.	-	3 551.1	3 034.	5 521.1	4 284.	541.6	362.	23 984.9	18 634.	
1972	14 256.0	10 765.	-	1 692.0	1 506.	2 066.0	1 674.	145.0	138.	18 159.0	14 083.	
Previous Planted	41 854.9	35 643.	-	6 555.3	7 397.	783.0	633.	1 076.8	912.	50 270.0	44 585.	
Totals to Date	215 930.5	173 511.	21.0	43 729.6	39 892.	169 275.2	134 670.	6 223.6	4 938.	435 179.9	353 027.	
All Planted to Date	425 569.9	330 515.	15 489.9	275 645.2	298 573.	198 181.5	162 651.	99 063.2	102 008.	1 013 949.7	905 017.	
All Planted this Yr	21 625.1	18 727.	-	16 489.5	17 517.	41 797.1	33 312.	7 109.5	7 416.	87 021.2	76 972.	

Table A.2

PLANTING BY FOREST REGION, 1981
(Number of Trees, Hectares In Parentheses Below)

Forest Region	Forest Service on Crown Land and Crown- Granted Land	Companies on T.S.H.L.'s, T.S.L.'s on Crown Land	Companies on Tree Farm Licences		Tree Farms not within Tree Farm Licences	Companies on other Private	Total
			Crown Land	Crown-Granted Land			
Cariboo	3 092.9 (2 686.3)	4 802.1 (4 028.7)	505.5 (385.5)	-	505.5 (385.5)	-	8 400.5 (7 100.5)
Kamloops	5 089.9 (3 907.5)	6 174.0 (5 131.5)	824.7 (868.0)	-	824.7 (868.0)	-	12 088.6 (9 907.0)
Nelson	2 374.8 (1 947.4)	3 209.5 (2 502.3)	1 674.5 (1 253.2)	-	1 674.5 (1 253.2)	89.0 (75.0)	8 175.8 (6 467.9)
Prince George	5 435.3 (4 464.5)	16 495 0 (12 070.3)	2 026.3 (1 844.4)	-	2 026.3 (1 844.4)	-	23 956.6 (18 379.2)
Prince Rupert	1 631.3 (1 279.1)	5 779.7 (4 231.2)	2 393.8 (2 311.4)	293.6 (429.8)	2 687.4 (2 741.2)	12.8 (11.1)	10 111.2 (8 262.6)
Vancouver	4 000.9 (4 442.6)	5 336.8 (5 348.2)	8 006.5 (9 619.0)	764.6 (805.6)	8 771.1 (10 424.6)	4 311.2 (4 915.8)	1 868.5 (1 723.6)
Total	21 625.1 (18 727.4)	41 797.1 (33 312.2)	15 431.3 (16 281.5)	1 058.2 (1 235.4)	16 489.5 (17 516.9)	5 152.0 (5 616.9)	87 021.2 (76 972.0)

Table A.3
COASTAL SEED ORCHARDS ESTABLISHED AS OF MARCH, 1982

Seed Orchard No.	Agency	Date(s) Est. i.e. Planted	Orchard Location	Sp. 2	Seed Orchard Seed Utilization Area			Present Orchard Area (ha)	Seed Production (kg)	
					Planning Zone ³	Elevation (metres)	Type of Orchard ⁴		1981	Accumulated to March, 1982
101	BCFS-Quinsum	1963	Campbell R.	Fd	EVI	450-610	Clonal; Seedlings (O.P., C.P.)	7.8	2.230	74.977
109	Pacific Logging 1	1964	Saanich	Fd	EVI	0-450	Clonal; Seedlings (O.P.)	1.8	0.020	2.581
110	Pacific Logging 1	1964	Saanich	Fd	EVI	550	Clonal	3.4	2.700	79.788
111	Tahsis "C"	1969-75	Saanich	Fd	WVI	0-450	Clonal; Seedlings (O.P., C.P.)	3.5	0.036	73.861
114	BCFS-Koksilah	1970	Duncan	Fd	SCM, CIT	450-640	Seedlings (O.P.)	3.2	10.870	58.638
115	BCFS-Snowdon	1971	Campbell R.	Fd	JS	0-300	Seedlings (O.P.); Clonal	4.0	3.550	19.419
116	Can. For. Prod.	1971	Sechelt	Fd	EVI, JS	450-610	Clonal	2.4	-	1.590
118	Tahsis	1973	Saanich	Ss	WVI	0-450	Clonal	0.9	0.017	3.591
119	Mac. Bloedel 1	1977	Yellow Pt.	Fd	VI	High	Clonal	1.6	-	-
120	BCFS-Dewdney	1975	Saanich	Fd	CIT	760-1070	Seedlings (O.P.); Clonal	7.2	-	2.200
121	Pacific Logging 1	1976	Saanich	Fd	EVI	550	Seedlings (C.P.)	6.0	0.330	1.220
122	Mac. Bloedel 1	1976-78	Harmac	Fd	Dry	Mid	Clonal	1.2	-	-
123	Mac. Bloedel 1	1976-78	Harmac	Fd	Wet	Mid	Clonal	1.0	-	-
124	Mac. Bloedel 1	1976	Harmac	Fd	Dry	Low	Clonal	0.5	-	-
125	Mac. Bloedel 1	1976	Harmac	Fd	Wet	Low	Clonal	1.0	-	-
126	West. For. Prod.	1979-84	Lost Lk.	HW	NVI, WCC	0-450	Clonal	3.7	-	-
127	West. For. Prod.	1979-84	Lost Lk.	HW	NVI, WCC	450-900	Clonal	2.4	-	-
128	West. For. Prod.	1980-83	Lost Lk.	Cr	NVI, WCC	0-600	Clonal	1.1	-	-
136	Tahsis	1977-80	Saanich	HW	WVI	0-600	Clonal	0.8	-	-
142	West. For. Prod.	1979-84	Lost Lk.	Ss	QC1	0-450	Clonal	2.3	-	-
Totals - Coastal Region Orchards								55.8	19.753	317.865

1 Private Orchard.
 2 Seed species
 Fd - Douglas fir
 Ss - Sitka spruce
 P1 - Lodgepole pine
 S1 - Interior spruce
 HW - Western hemlock
 Cr - Western red cedar

3 Planning Zone:

QC1 - Queen Charlotte Islands
 WCC - West Central Coast
 NVI - Northern Vancouver Island
 EVI - Eastern Vancouver Island
 WVI - Western Vancouver Island
 SCM - South Coast Mainland
 CIT - Coast-Interior Transition
 JS - Johnstone Strait
 VI - Vancouver Island

4 O.P. - Seedlings resulting from open pollination.
 C.P. - Seedlings resulting from controlled pollination.

Note: Pacific Logging orchards are for reforestation on private lands. This table excludes orchards deemed by the Coastal Tree Improvement Council (CTIC) as unsuitable for intensive management.

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Table A.4 CENTRAL AND SOUTHERN INTERIOR SEED ORCHARDS ESTABLISHED AS OF MARCH, 1982

Seed Orchard No.	Agency	Date(s) Est. i.e. Planted	Orchard Location	Spp. ²	Seed Orchard Seed Utilization Area		Type of Orchard	Present Orchard Area (ha)	Seed Production (kg)	
					Planning Zone	Utilization Area			1981	Accumulated to March, 1982
Central Interior Region										
201	BCFS	1974	Red Rock	PI	Omenica-Pinchi		Clonal	4.4	-	-
202	BCFS	1978	Red Rock	PI	Dawson-Peace		Clonal	1.7	-	-
203	BCFS	1978	Red Rock	PI	Willow-Bowron		Clonal	3.2	-	-
204	BCFS	1979	Red Rock	PI	Smithers		Clonal	5.5	-	-
205	BCFS	1979	Skimik'in	SI	Central Plateau Low		Clonal	4.0	-	-
206	BCFS	1979	Skimik'in	SI	Central Plateau High		Clonal	3.2	-	-
207	BCFS	1980	Skimik'in	SI	Bulkley Low		Clonal	2.9	-	-
208	BCFS	1980	Skimik'in	SI	Bulkley High		Clonal	3.3	-	-
Total - Central Interior Region Orchards							28.2	-	-	-
Southern Interior Region										
301	BCFS	1980	Skimik'in	SI	West Kootenay Low		Clonal	1.2	-	-
302	BCFS	1980	Skimik'in	SI	West Kootenay High		Clonal	3.0	-	-
303	BCFS	1981	Vernon	SI	Shuswap Adams Low		Clonal	2.3	-	-
304	BCFS	1981	Vernon	SI	Shuswap Adams High		Clonal	2.5	-	-
Totals - Southern Interior Orchards							9.0	-	-	-

² Seed Species

PI - Lodgepole pine
SI - Interior spruce

Table A.5 MINISTRY OF FORESTS NURSERIES
INVENTORY OF SEEDLINGS BY NURSERY AND FOREST REGION, DECEMBER, 1981
 (thousands of Trees)

Nursery	Stock Type				
	Bareroot		Transplants	Container	
	1+0	2+0		Styroblocks	Others ¹
Campbell River	8 928.5	8 019.6	2 058.8	1 683.3	829.9
Chilliwack	8 035.6	6 631.3	237.8	-	-
Green Timbers	4 377.0	4 195.0	1 328.1	3 799.4	-
Harrop	-	-	-	220.6	-
Koksilah	2 968.3	2 768.6	835.5	6 732.0	1 434.0
Red Rock	12 138.0	3 103.5	5 012.5	954.0	-
Skimikin	6 899.0	7 070.6	812.6	3 939.0	-
Surrey	31 539.0	19 905.7	3 166.0	10 524.5	-
Telkwa	878.0	879.0	83.0	57.0	-
Vernon	-	-	-	3 449.3	-
<u>Forest Region</u>					
Cariboo	7 249.8	6 721.4	34.0	3 429.7	-
Kamloops	10 203.6	5 609.1	582.7	5 868.2	72.0
Nelson	5 300.3	2 509.9	415.8	2 007.3	137.0
Prince George	26 950.0	20 401.8	7 215.8	6 910.0	-
Prince Rupert	12 096.9	3 397.6	2 067.6	5 724.3	114.5
Vancouver	13 890.8	13 650.1	3 180.8	7 331.0	1 940.4
Miscellaneous	72.0	283.4	37.6	88.7	-
Totals	75 763.4	52 573.3	13 534.3	31 359.2	2 263.9

¹Includes Spencer-Lemaire Trays, Walters Bullets, and Paper Pots.

Table A.6 MINISTRY OF FORESTS NURSERIES,
INVENTORY OF SEEDLINGS BY SPECIES AND STOCK TYPES, DECEMBER, 1981
 (thousands of Trees)

Species	Stock Type				
	Bareroot		Transplants	Container	
	1+0	2+0		Styroblocks	Others
Cedar, Western Red	1 935.7	1 476.6	204.3	3.0	2 148.6
Cedar, Yellow	-	-	-	-	113.7
Douglas fir, Coast	9 060.0	9 714.4	1 730.7	1 211.0	-
Douglas fir, Interior	6 276.3	4 120.3	75.3	1 527.1	-
Fir, Alpine	37.0	135.0	12.4	65.6	-
Fir, Amabilis	2 912.5	1 582.6	280.5	1 015.1	-
Fir, Grand	41.0	479.0	183.8	62.1	-
Hemlock, Mountain	-	-	1.0	149.0	-
Hemlock, Western	-	-	339.0	4 940.5	1.6
Larch, Western	43.0	-	-	606.0	-
Pine, Lodgepole	5 015.5	3 318.2	1 492.3	8 425.9	-
Pine, Ponderosa	48.0	44.6	294.6	195.0	-
Spruce, Interior ¹	47 110.4	29 299.4	7 713.0	12 138.1	-
Spruce, Sitka	3 280.0	2 391.0	1 188.4	987.0	-
Other Species	4.0	12.2	19.0	33.8	-
Total	75 763.4	52 573.3	13 534.3	31 359.2	2 263.9

¹Includes White Spruce, Engelmann Spruce, Black Spruce, and Hybrids.

Table A.7

MINISTRY OF FORESTS NURSERIES,
SUMMARY OF SPRING SOWING, 1981
(Thousands of Trees)

Species	Stock Types						Totals	Percent
	Bareroot		Transplants	Container		Totals		
	1+0	2+0		Styroblock	Other			
Cedar, Western Red	48.5	1 499.0	474.0	45.0	2 017.0	4 083.5	3.8	
Cedar, Yellow	-	-	118.0	6.0	145.4	269.4	0.3	
Douglas Fir, Coast	3 480.0	4 876.0	763.0	1 322.0	-	10 441.0	9.7	
Douglas Fir, Interior	550.0	4 468.6	1 031.4	1 688.1	-	7 738.1	7.2	
Fir, Alpine	-	33.0	-	170.2	-	203.2	0.2	
Fir, Amabilis	-	2 343.9	78.8	1 010.7	-	3 433.4	3.2	
Fir, Grand	-	66.0	128.0	25.0	-	211.0	0.2	
Hemlock, Mountain	-	-	17.0	199.0	-	216.0	0.2	
Hemlock, Western	-	-	247.0	6 450.5	-	6 697.5	6.2	
Larch, Western	-	-	19.0	791.9	-	810.9	0.8	
Pine, Lodgepole	132.8	2 775.1	3 033.2	8 819.5	-	14 760.6	13.8	
Pine, Ponderosa	10.0	4.0	50.0	160.0	10.0	234.0	0.2	
Spruce, Interior	163.1	27 475.6	15 732.8	10 452.6	-	53 824.1	50.1	
Spruce, Sitka	15.5	2 163.0	1 213.0	913.0	-	4 304.5	4.0	
Other Species	1.0	4.0	37.0	42.6	-	84.6	0.0	
Total	4 400.9	45 778.2	22 942.2	32 096.1	2 173.6	107 383.0	100.0	
Percent	4.1	42.6	21.4	29.9	2.0	100.0		

Table B.1

FIRE OCCURRENCES BY MONTHS, BY FOREST REGION, 1981

Month	Cariboo	Kamloops	Nelson	P. George	P. Rupert	Vancouver	Totals	PerCent	10Yr. Ave	PerCent
March	1	6	1	0	0	5	13	0.5	12	0.5
April	20	39	20	2	1	2	84	3.1	125	5.3
May	24	16	10	23	7	3	83	3.0	275	11.7
June	14	32	8	18	7	4	83	3.0	321	13.6
July	59	93	47	219	117	54	589	21.5	632	26.8
August	160	335	270	610	131	110	1616	59.0	702	29.8
September	37	26	31	83	13	20	210	7.7	198	8.4
October	11	5	5	24	1	6	52	1.9	81	3.4
Other	0	2	4	1	0	0	7	0.3	12	0.5
Totals	326	554	396	980	277	204	2737	100.0	2358	100.0
Percent	11.9	20.2	14.5	35.8	10.1	7.5	100.0			

Table B.2 NUMBER AND CAUSES OF FOREST FIRES, BY FOREST REGION, 1981

Cause	Cariboo	Kamloops	Nelson	P. George	P. Rupert	Vancouver	Totals	Per Cent	10Yr. Ave.	Per Cent
Lightning	159	339	292	745	160	64	1759	64.3	931	39.5
Recreational (Campers, Hunters, Fishermen, etc.)	10	41	15	47	26	33	172	6.3	228	9.7
Railroads	7	28	12	7	0	4	58	2.1	116	4.9
Smokers	19	32	27	42	18	41	179	6.5	297	12.6
Brush Burning (Not Railway or Right-of-Way Clearing)	10	10	5	47	13	10	95	3.5	99	4.2
Range Burning	5	4	0	2	0	0	11	0.4	55	2.3
Road, Power, Telephone and Pipeline Construction	2	2	3	10	2	7	26	1.0	31	1.3
Industrial Operations (Logging, etc.)	14	16	16	47	18	21	132	4.8	195	8.3
Incendiary	71	21	6	17	8	3	126	4.6	113	4.8
Misc. Known Causes	29	61	20	16	32	20	178	6.5	282	11.9
Unknown Causes	0	0	0	0	0	1	1	0.0	11	0.5
Totals	326	554	396	980	277	204	2737	100.0	2358	100.0
Per Cent of Total Fires in Province	11.9	20.2	14.5	35.8	10.1	7.5	100.0			

Table B.3 COMPARISON OF NUMBER AND CAUSES OF FOREST FIRES TO PREVIOUS 10 YEAR PERIOD

Cause	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	10 year average	1981
Lightning	1327	583	810	716	1417	159	551	1141	1943	659	931	1759
Recreational (Campers, Hunters Fishermen, etc.)	211	188	338	288	249	157	237	189	274	152	228	172
Railroads	175	136	218	147	113	57	63	65	131	58	116	58
Smokers	309	267	431	407	289	130	302	277	418	140	297	179
Brush Burning (Not Railway or Right-of-Way Clearing)	129	70	145	102	83	24	83	93	138	126	99	95
Range Burning	105	59	78	34	42	56	34	27	36	78	55	11
Road, Power, Telephone and Pipeline Construction	50	44	38	36	25	5	27	32	35	19	31	26
Industrial Operations (Logging, etc.)	205	189	224	319	133	116	154	136	298	176	195	132
Incendiary	70	77	99	133	94	59	128	138	212	124	113	126
Miscellaneous Known Causes	303	277	462	355	252	127	270	205	353	211	282	178
Unknown Causes	14	13	20	21	16	3	5	5	11	0	11	1
Totals	2898	1903	2863	2558	2713	893	1854	2308	3849	1743	2358	2737

Table B.4

FIRES CLASSIFIED BY SIZE AND TIMBER LOSS, BY FOREST REGION, 1981

	<u>Cariboo</u>	<u>Kamloops</u>	<u>Nelson</u>	<u>P. George</u>	<u>P. Rupert</u>	<u>Vancouver</u>	<u>Totals</u>	<u>Per Cent</u>	<u>10 year average</u>	<u>Per Cent</u>
<u>Total Fires</u>										
<u>Number</u>	326	554	396	980	277	204	2737	100	2358	100
<u>Per Cent of Total Fires in Province</u>	11.9	20.2	14.5	35.8	10.1	7.5	100.0			
<u>0.1 ha and Under</u>										
<u>Number</u>	233	430	344	696	210	148	2061	75.3	1583	67.1
<u>Per Cent of Total Fires in Region</u>	71.5	77.6	86.9	71.0	75.8	72.5				
<u>Per Cent of Total Fires in This Class</u>	11.3	20.9	16.7	33.7	10.2	7.2	100.0			
<u>Over 0.1 to 4.0 ha</u>										
<u>Number</u>	75	98	41	159	43	40	456	16.7	574	24.3
<u>Per Cent of Total Fires in Region</u>	23.0	17.7	10.4	16.2	15.5	19.6				
<u>Per Cent of Total Fires in This Class</u>	16.4	21.5	9.0	34.9	9.4	8.8	100.0			
<u>Over 4.0 to 200 ha</u>										
<u>Number</u>	16	25	10	99	17	15	182	6.6	173	7.4
<u>Per Cent of Total Fires in Region</u>	4.9	4.5	2.5	10.1	6.1	7.4				
<u>Per Cent of Total Fires in This Class</u>	8.8	13.7	5.5	54.4	9.3	8.3	100.0			
<u>Over 200 ha in Extent</u>										
<u>Number</u>	2	1	1	26	7	1	38	1.4	28	1.2
<u>Per Cent of Total Fires in Region</u>	0.6	0.2	0.3	2.7	2.5	0.5				
<u>Per Cent of Total Fires in This Class</u>	5.3	2.6	2.6	68.4	18.4	2.7	100.0			
<u>Damage¹</u>										
<u>Under \$1000</u>	323	547	393	930	269	199	2661	97.2		
<u>Between \$1000 and \$10000</u>	2	7	3	35	3	3	53	1.9		
<u>Over \$10000</u>	1	0	0	15	5	2	23	0.9		

¹ Dollar values of damage are based on timber loss in stands of mature, immature and other forest cover. See Table B.6 for other details.

Table B.5
LOSS OF PROPERTY OTHER THAN FOREST, BY FOREST REGION, 1981
 (In dollars)

	<u>Cariboo</u>	<u>Kamloops</u>	<u>Nelson</u>	<u>P. George</u>	<u>P. Rupert</u>	<u>Vancouver</u>	<u>Totals</u>	<u>PerCent</u>	<u>10 year average</u>	<u>PerCent</u>
Forest Products Cut, Logs, Lumber, etc.	115,569	1,277	1,696	8,145	7,770	620,121	754,578	58.3	299,313	37.8
Buildings	5,200	160	0	0	300	1,150	6,810	0.5	156,339	19.7
Railway, Logging, and Sawmill Equipment	10,848	350,000	1,500	55,000	0	80,315	497,663	38.4	277,326	35.0
Miscellaneous	<u>6,050</u>	<u>160</u>	<u>0</u>	<u>11,200</u>	<u>150</u>	<u>19,234</u>	<u>36,794</u>	<u>2.8</u>	<u>59,344</u>	<u>7.5</u>
Totals	137,667	351,597	3,196	74,345	8,220	720,820	1,295,845	100.0	792,322	100.0
Per Cent of Totals	10.6	27.2	0.3	5.7	0.6	55.6	100.0			

1 Estimates of damage made by District field staff.

Table B.6
LOSS OF FOREST COVER CAUSED BY FOREST FIRES, BY FOREST REGION, 1981¹

	<u>Cariboo</u>	<u>Kamloops</u>	<u>Nelson</u>	<u>P. George</u>	<u>P. Rupert</u>	<u>Vancouver</u>	<u>Totals</u>	<u>Per Cent</u>	<u>10 year average</u>	<u>Per Cent</u>
<u>Merchantable Timber</u>										
<u>Total Area Burned (ha)</u>	929	609	359	30906	9804	305	42912	40.3	13350	20.1
<u>Total Volume Killed (m³)</u>	84701	99475	113134	4374412	1040563	175036	5887321	100.0	789011	100.0
<u>Salvable Volume of Timber Killed (m³)</u>	68742	17130	0	1354102	98271	12011	1550256	26.0	365780	46.4
<u>Net Stumpage Loss (\$)</u>	26179	120356	134159	4425678	1391256	799822	6897450	65.0	3702366	54.3
<u>Immature Timber</u>										
<u>Area Burned (ha)</u>	86	171	5	11087	2862	154	14365	14.2	15335	23.1
<u>Estimated Damage Value (\$)</u>	14858	9361	3510	2326388	355726	383725	3093568	29.2	2911552	42.7
<u>Not Satisfactorily Restocked</u>										
<u>Logged, Not Burned (ha)</u>	162	40	43	1365	31	95	1736	1.5	3815	5.7
<u>Logged and Burned (ha)</u>	13	0	0	140	1	0	154	0.1	367	0.5
<u>Old Burn (Not Logged) (ha)</u>	0	8	0	42	0	0	50	0.0	3491	5.3
<u>Damage (\$)</u>	2183	600	538	19348	394	1192	24255	0.2	58257	1.0
<u>Non-Commercial Cover</u>										
<u>Area Burned (ha)</u>	394	57	98	2729	55	41	3374	3.0	11310	17.0
<u>Damage (\$)</u>	4926	713	1225	34119	688	513	42184	0.5	49454	0.7
<u>Grazing or Pasture Land</u>										
<u>Area Burned (ha)</u>	141	299	15	49	80	0	584	0.4	2311	3.5
<u>Damage (\$)</u>	1721	3705	188	606	995	0	7215	0.0	19353	0.2
<u>Non-Productive Sites</u>										
<u>Area Burned (ha)</u>	6	85	47	36695	5786	22	42641	40.0	15778	23.8
<u>Damage (\$)</u>	69	1059	589	458572	72301	272	532862	5.0	65109	1.0
<u>Under 4 ha</u>										
<u>Area Burned (ha)</u>	112	156	87	278	77	67	777	0.6	601	1.0
<u>Damage (\$)</u>	1352	1832	986	3317	911	733	9131	0.1	7270	0.1
<u>Grand Totals</u>										
<u>Area (ha)</u>	1843	1425	654	83291	18696	684	106593	100.0	66358	100.0
<u>Non Salvable Timber Volumes (m³)</u>	15959	82345	113134	3020310	942292	163025	4337065	74.0	423231	53.6
<u>Damage (\$)</u>	51288	137626	141195	7268028	1822271	1186257	10606665	100.0	6813361	100.0

¹ Dollar Estimates of Damage:

-for merchantable timber, based on monthly stumpage charges, by region, by species;

-for immature timber, based on dollar values, by age-class per hectare, for damage or destruction to young or immature trees, as published in B.C. Regulation 561/78;

-for other forest cover, based on approximate value of \$12.50 per hectare

Table B.7 NUMBER OF FIRES, AREA BURNED, MINISTRY OF FORESTS FIRE-FIGHTING COSTS¹, TOTAL DAMAGE BY FIRE CAUSES, 1981

	Number of Fires No.	Area Burned		Ministry of Forests Fire-fighting Costs Cost (\$)	Estimated Total Damage Damage (\$)
		Ha	PerCent		
Lightning	1759	84220	79.0	17257873	7972247
Recreational (Campers, Hunters, Fisherwomen, etc.)	172	4246	4.0	914980	311416
Railroads	58	112	0.1	38309	11615
Smokers	179	946	0.9	1239863	620589
Brush Burning (Not Railway or Right-of-Way Clearing)	95	675	0.6	394270	18121
Range Burning	11	315	0.3	16499	3800
Road, Power, Telephone and Pipeline Construction	26	44	0.1	111774	76867
Industrial Operations (Logging, etc.)	132	14159	13.3	1673133	2516676
Incendiary	126	1717	1.6	2046707	351183
Miscellaneous Known Causes	178	159	0.1	258139	19995
Unknown Causes	1	0	0.0	0	1
Totals	2737	106593	100.0	23951547	11902510

¹ These costs are partial estimates of direct fire fighting, fire support flying, and air tanker flying expenditures as reported on final fire reports. Total Fire Suppression expenditures for 1981 are estimated to be \$37.972 million.

Table B.8 COMPARISON OF LOSS CAUSED BY FOREST FIRES TO PREVIOUS 10 YEAR PERIOD¹

	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>10 year average</u>	<u>1981</u>
Total Number of Fires	2898	1903	2863	2558	2713	893	1854	2308	3849	1743	2358	2737
Area Burned (ha)	351890	26087	33422	21728	24911	57020	3796	50081	29447	65578	66396	106593
Standing Timber Destroyed or Damaged (000 m ³)	9500.0	391.5	1640.9	2907.9	6443.4	1318.4	203.3	4783.1	2035.6	1066.4	3029.0	5887.3
Amount Salvable (000 m ³)	1962.8	189.8	752.5	2285.0	5298.7	398.1	115.4	1009.2	992.4	472.8	1347.7	1550.3
Estimated Damage to Forests (\$000)	12974.6	713.7	5277.0	1860.9	1264.4	2528.5	369.5	11435.9	10177.9	20926.8	6752.9	10606.7
Estimated Damage to Other Forms of Property (\$000)	609.1	459.7	1056.8	491.4	92.4	70.1	173.5	1335.0	3035.4	599.8	792.3	1295.8
Total Estimated Damage (\$000)	13583.6	1173.4	6333.8	2352.4	1356.8	2598.6	543.0	12770.9	13213.4	21526.6	7545.2	11902.5

¹ Estimated damage expressed in historical dollars.

Table B.9 FIRE-FIGHTING COSTS¹ PER FIRE, BY FOREST REGION, 1981

	<u>Cariboo</u>	<u>Kamloops</u>	<u>Nelson</u>	<u>P.George</u>	<u>P.Rupert</u>	<u>Vancouver</u>	<u>Totals</u>	<u>PerCent</u>	<u>10 Yr.Ave.</u>	<u>PerCent</u>
Total Fires	326	554	396	980	277	204	2737	100.0	2358	100.0
Total Forest Service Cost										
Dollars	1757979	1571782	1004313	13152467	4741575	1723431	23951547		7778884	
Per Cent	7.3	6.6	4.2	54.9	19.8	7.2	100.0		100.0	
Average Expenditure Per Cost Fire (Dollars)	6041	3046	2936	15365	19432	9521	9856			
Extinguished Without Cost to Forest Service										
Number	35	38	54	124	33	23	307		417	17.7
Per Cent of Total Fires in Region	10.7	6.9	13.6	12.7	11.9	11.3			11.2	
Per Cent of Total Fires in Province	1.3	1.4	2.0	4.5	1.2	0.8	11.2			
Distribution of Fires by Cost to Extinguish										
Number	291	516	342	856	244	181	2430	88.8	1941	82.3
Per Cent of Total Fires in Region	89.3	93.1	86.4	87.3	88.1	88.7				
Per Cent of Total Fires in Province	10.6	18.9	12.5	31.3	8.9	6.6	88.8			
Cost Less Than \$1000 per Fire	118	298	168	225	99	93	1001	36.6	416	17.6
Cost \$1000 to \$10000 per Fire	139	191	154	462	103	58	1107	40.4	793	33.6
Cost Over \$10 000 to \$50 000 per Fire	30	24	16	124	29	20	243	8.9	461	19.6
Cost Over \$50 000 to \$100 000 per Fire	1	1	3	24	7	5	41	1.5	127	5.4
Cost Over \$100 000 per Fire	3	2	1	21	6	5	38	1.4	144	6.1

¹ These costs are partial estimates of direct fire fighting, fire support flying, and air tanker flying expenditures as reported on final fire reports. Total Fire Suppression expenditures for the fiscal year will be available from the Ministry of Forests Annual Report. These are estimated to be \$37,972,169 for 1981.

TABLE C.1 TOTAL AMOUNT OF TIMBER SCALE BILLED IN BRITISH COLUMBIA, 1980 AND 1981
 (Includes Firmwood Rejects)
 (Cubic Metres)

Forest Region	1980	1981	Increase	Decrease	Net Decrease
CARIBOO (C)	322	343	21		
PRINCE RUPERT (C)	5 397 306	4 159 631		1 237 675	
VANCOUVER (C)	25 315 408	19 029 710		6 285 698	
TOTALS, COAST	30 713 036	23 189 684	21	7 523 373	7 523 352
CARIBOO (I)	6 948 279	6 637 050		311 229	
KAMLOOPS	8 519 126	7 372 240		1 146 886	
NELSON	6 566 205	5 556 015		1 010 190	
PRINCE GEORGE	14 201 377	13 276 373		925 004	
PRINCE RUPERT (I)	7 214 318	5 319 173		1 895 145	
VANCOUVER (I)	491 935	467 039		24 896	
TOTALS, INTERIOR	43 941 240	38 627 890		5 313 350	5 313 350
GRAND TOTALS	74 654 276	61 817 574	21	12 836 723	12 836 702

Table C.2 TOTAL VOLUME OF ALL PRODUCTS BILLED, BY LAND STATUS AND FOREST REGION, 1981
(Includes Volumes Charged to Cut Control and Excludes Firwood Rejects)
(Cubic Metres)

LAND STATUS	FOREST REGION						Totals
	Cariboo	Kamloops	Nelson	Prince George	Prince Rupert	Vancouver	
Tree Farm Licences	93 731	626 173	1 108 643	503 949	2 071 033	5 656 128	10 059 657
Timber Sale Harvesting Licences	2 867 590	3 017 264	2 311 009	7 684 866	4 967 410	4 610 134	25 458 273
Timber Sale Licences	3 269 448	3 170 398	1 547 647	4 413 921	1 566 324	1 336 882	15 304 620
Farm Woodlot Licences	3 935	131	770	-	-	359	5 195
Licences to Cut	141 071	90 459	67 616	491 792	210 548	135 196	1 136 682
Timber Licences	-	615	4 205	216	314 521	2 710 273	3 029 830
Timber Leases	-	4 010	-	-	-	181 684	185 694
Timber Berths	-	373	82 984	-	-	178 009	261 366
Special Timber Licences	-	80 969	3 464	-	94 491	1 693 702	1 872 626
Pulp Licences	-	-	-	-	114 351	3 292	117 643
Pulp Leases	-	-	-	-	231 468	2 516	233 984
Miscellaneous ¹	20 406	135 807	55 935	36 448	23 127	487 200	758 923
Subtotals, Crown Lands	6 396 181	7 126 199	5 182 273	13 131 192	9 593 273	16 995 375	58 424 493
Crown Grants to 1887	5 272	183 286	167 021	2 489	1 230	2 361 491	2 720 789
Crown Grants 1887-1906	8 136	28 966	202 442	-	35 981	125 272	400 797
Crown Grants 1906-14	39 325	79 358	45 689	40 342	97 807	171 824	474 345
Crown Grants to date	330 331	152 426	183 984	416 520	165 146	273 160	1 521 567
Dominion Reserves	-	-	-	2 453	-	1 980	4 433
Indian Reserves	29 788	48 902	3 149	14 299	46 365	41 016	183 519
Totals	6 809 033	7 619 137	5 784 558	13 607 295	9 939 802	19 970 118	63 729 943

¹ Including right of way, beachcomb and trespass.

Table C.3 SPECIES CUT, ALL PRODUCTS, 1981

(Includes Firmwood Rejects)
(Cubic Metres)

Forest Region	Balsam	Cedar	Cypress	Fir	Hemlock	Larch	Lodgepole Pine
Cariboo (C)	-	-	-	341	-	-	1
Prince Rupert (C)	557 687	884 236	88 432	107 932	1 799 192	-	4 977
Vancouver (C)	3 238 359	4 274 290	615 648	3 092 836	7 362 621	-	2 157
Totals, Coast	3 796 046	5 158 526	704 080	3 201 109	9 161 813	-	7 135
Cariboo (I)	279 537	206 531	-	1 230 404	26 437	5	3 213 379
Kamloops	746 877	593 610	506	1 471 539	244 489	71 079	2 084 481
Nelson	422 281	767 040	-	623 568	466 286	218 562	1 689 385
Prince George	1 406 756	59 850	-	246 352	12 329	573	4 012 453
Prince Rupert (I)	1 044 295	133 229	-	6	926 296	-	1 755 593
Vancouver (I)	108 856	63 465	5 406	122 894	79 918	-	28 264
Totals, Interior	4 008 602	1 823 725	5 912	3 694 763	1 755 755	290 219	12 783 555
Grand Totals	7 804 648	6 982 251	709 992	6 895 872	10 917 568	290 219	12 790 690

Table C.3 (Continued) SPECIES CUT, ALL PRODUCTS, 1981
(Includes Firwood Rejects)
(Cubic Metres)

Forest Region	Spruce	White Pine	Yellow Pine	Other Conifer	Cottonwood	Other Hardwoods	Totals
Cariboo (C)	-	-	-	1	-	-	343
Prince Rupert (C)	706 990	44	-	5 455	4 153	533	4 159 631
Vancouver (C)	249 505	69 994	21	8 942	55 105	60 232	19 029 710
Totals, Coast	956 495	70 038	21	14 398	59 258	60 765	23 189 684
Cariboo (I)	1 645 762	78	4 730	28 627	58	1 502	6 637 050
Kamloops	1 980 780	47 370	79 845	48 412	1 427	1 825	7 372 240
Nelson	1 136 296	159 724	42 048	22 074	8 263	488	5 556 015
Prince George	7 479 210	43	-	32 690	1 264	24 853	13 276 373
Prince Rupert (I)	1 381 315	-	-	48 370	29 445	624	5 319 173
Vancouver (I)	47 354	4 086	142	263	2 264	4 127	467 039
Totals, Interior	13 670 717	211 301	126 765	180 436	42 721	33 419	38 627 890
Grand Totals	14 627 212	281 339	126 786	194 834	101 979	94 184	61 817 574

Table C.4 TIMBER CUT AND BILLED FROM TIMBER SALES AND
TIMBER SALE HARVESTING LICENCES, 1981

(Includes Volumes Charged to Cut Control
and Excludes Firmwood Rejects)
(Cubic Metres)

Forest Region	Logs	Special Forest Products *
Cariboo	6 116 348	20 690
Kamloops	6 176 543	11 119
Nelson	3 846 673	11 983
Prince George	11 813 454	285 333
Prince Rupert	6 526 718	7 016
Vancouver	5 930 799	16 217
Totals	40 410 535	352 358

* Special Forest Products are defined as poles, posts, pilings, shakes, shingle bolts, Christmas trees and other similar products designated in the regulations as special forest products.

Table C.5

AREA LOGGED, 1981 *

(Hectares)

FOREST REGION	Clear Cutting	Selective Cutting	Total
Cariboo	19 125	8 759	27 884
Kamloops	27 171	4 921	32 092
Nelson	10 673	7 017	17 690
Prince George	56 388	109	56 497
Prince Rupert	8 610	744	9 354
Vancouver	<u>22 819</u>	<u>889</u>	<u>23 708</u>
Totals 1981	144 786	22 439	167 225
1980	157 395	30 152	187 547
1979	168 820	27 713	196 533
1978	140 169	25 912	166 081
1977	147 897	28 055	175 952
1976	133 277	23 699	156 976
1975	100 501	19 070	119 571
1974	130 849	18 004	148 853
1973	149 250	23 926	173 176
1972	132 965	19 428	152 393

*Includes all Crown land and excludes all private lands except those in Tree Farm Licences, Tree Farms and Farm Woodlot Licences.

Table C.6
 TOTAL SCALE OF CHRISTMAS TREES BILLED, 1972 - 1981
 (SEGREGATED BY LAND STATUS AND FOREST REGION)
 (Number of Trees)

YEAR	CARIBOO		KAMLOOPS		NELSON		PRINCE GEORGE		PRINCE RUPERT		VANCOUVER		TOTAL	
	PRIVATE	CROWN	PRIVATE	CROWN	PRIVATE	CROWN	PRIVATE	CROWN	PRIVATE	CROWN	PRIVATE	CROWN	PRIVATE	CROWN
1981	1,645	1,472	27,338	4,812	423,031	275,486	-	-	600	87,419	5,644	539,433	288,014	827,447
1980	569	2,473	21,176	11,855	324,753	142,577	120	1,000	600	75,147	6,382	421,765	164,887	586,652
1979	2,460	4,852	32,933	8,572	309,336	175,620	1,525	1,300	600	83,876	7,026	430,130	197,970	628,100
1978	1,201	6,301	17,864	500	320,871	207,926	833	-	1,600	81,527	10,173	422,296	226,500	648,796
1977	6,020	3,866	32,011	12,723	433,841	195,341	60	500	600	90,129	14,119	562,061	227,149	789,210
1976	9,558	23,680	35,360	12,290	496,343	217,072	444	-	495	77,554	7,217	619,259	260,754	880,013
1975	8,020	19,634	63,057	13,829	505,372	334,010	677	-	500	71,617	6,926	648,743	374,899	1,023,642
1974	12,860	31,486	76,884	10,709	557,240	210,764	645	800	500	85,413	4,124	733,042	258,383	991,425
1973	11,677	28,588	61,401	25,467	603,533	225,036	185	-	-	81,743	7,348	758,539	286,439	1,044,978
1972	-	3,366	34,883	66,716	457,940	367,056	3,868	280	500	72,067	10,985	568,758	448,903	1,017,661

Table D.1
SUMMARY OF BASIC DATA FOR CERTIFIED TREE FARMS, 1981
 (PRIVATE SUSTAINED YIELD UNITS OVER CROWN-GRANTED LANDS)

FOREST REGION	NUMBER OF TREE FARMS	PRODUCTIVE AREA (HECTARES)				TOTAL AREA (HECTARES)	ALLOWABLE ANNUAL CUT OR ESTIMATED PRODUCTIVE CAPACITY (m ³)
		MATURE	IMMATURE	N.S.R. AND N.C.C.			
				INCLUDED WITHIN TREE FARM LICENCES			
Nelson	2	226	1 706	1 955	3 887	4 110	12 210
Prince George	1	13	422	59	494	518	1 807
Vancouver	14	21 688	114 832	15 025	151 545	166 274	751 053
TOTAL	17	21 927	116 960	17 039	155 926	170 902	765 070
<u>NOT INCLUDED WITHIN TREE FARM LICENCES</u>							
Nelson	9	52 850	91 738	26 609	171 197	216 999	474 425 292 943 *
Vancouver	29	72 549	211 619	20 784	304 952	346 925	2 232 099 1 000 *
TOTAL	38	125 399	303 357	47 393	476 149	563 924	2 706 524 293 943 *
GRAND TOTALS	55	147 326	420 317	64 432	632 075	734 826	3 471 594 293 943 *

* Number of Christmas trees.

TABLE D.2

SUMMARY OF BASIC DATA FOR FARM WOODLOT LICENCES, 1981
(PRIVATE SUSTAINED YIELD UNITS)

Forest Region	Number of Farm Woodlot Licences	Productive Area (ha)			Total Area (ha)	Approved Annual Cut (m ³)
		Crown	Private	Total		
Cariboo	11	1 280	292	1 572	2 010	2 330
Kamloops	2	150	39	189	189	460
Nelson	4	549	247	796	868	750
Prince George	6	551	-	551	601	1 630
Prince Rupert	4	516	60	576	987	810
Vancouver	<u>9</u>	<u>501</u>	<u>70</u>	<u>571</u>	<u>757</u>	<u>1 710</u>
Totals	36	3 547	708	4 255	5 412	7 690

Table D.3
SUMMARY OF BASIC DATA FOR TREE FARM LICENCES, 1981
(PRIVATE SUSTAINED YIELD UNITS)

FOREST REGION & TREE FARM LICENCE NO.	LICENSEE	PRODUCTIVE AREA (HECTARES)		TOTAL TOTAL	TOTAL AREA (HECTARES)	ALLOWABLE ANNUAL CUT (m ³)
		SCHEDULE A	SCHEDULE B			
<u>CARIBOO REGION</u>						
5	Welwood of Canada Limited	217	32 658	32 875	34 066	118 900
<u>KAMLOOPS REGION</u>						
9	Crown Zellerbach Canada Limited	654	73 554	74 208	79 193	207 500
15	Weyerhaeuser Canada Ltd.	65	44 698	44 763	48 195	72 300
16	Crown Zellerbach Canada Limited	49	48 434	48 483	52 039	135 000
18	Clearwater Timber Products Limited	-	67 549	67 549	74 224	209 544
32	Crown Zellerbach Canada Limited	-	12 875	12 875	13 667	30 000
33	Federated Co-operatives Limited	-	8 323	8 323	8 512	28 480
35	Weyerhaeuser Canada Ltd	-	37 246	37 246	40 051	89 664
REGIONAL TOTAL	7	768	292 679	293 447	315 881	772 488
<u>NELSON REGION</u>						
3	Slocan Forest Products Ltd.	-	39 558	39 558	79 687	119 618
8	Pope & Talbot Ltd.	-	71 696	71 696	77 545	145 000
13	Galloway Lumber Company Limited	196	20 685	20 881	37 342	26 900
14	Crestbrook Forest Industries Ltd.	498	47 558	48 056	139 513	122 500
23	BC Timber Ltd.	14 744	555 460	570 204	1 006 437	1 227 000
REGIONAL TOTAL	5	15 438	734 957	750 395	1 340 524	1 641 018

Table D.3 (continued)

SUMMARY OF BASIC DATA FOR TREE FARM LICENCES, 1981
(PRIVATE SUSTAINED YIELD UNITS)

FOREST REGION & TREE FARM LICENSE NO.	LICENSEE	PRODUCTIVE AREA (HECTARES)		TOTAL TOTAL	TOTAL AREA (HECTARES)	ALLOWABLE ANNUAL CUT (m ³)
		SCHEDULE A	SCHEDULE B			
<u>PRINCE GEORGE REGION</u>						
30	Northwood Pulp and Timber Limited	692	158 209	158 901	180 767	437 400
<u>PRINCE RUPERT REGION</u>						
1	BC Timber Ltd.	1 969	490 393	492 362	981 433	1 291 560
* 2	Crown Zellerbach Canada Limited	11 494	14 563	26 057	27 522	209 630
24	Western Forest Products Limited	2 842	74 867	77 709	112 470	436 079
* 25	Western Forest Products Limited	15 480	50 848	66 328	308 244	125 520
* 39	MacMillan Bloedel Limited	41 104	176 186	217 290	297 431	1 502 520
41	Eurocan Pulp & Paper Company Limited	-	271 933	271 933	1 019 975	629 000
REGIONAL TOTAL	6	72 889	1 078 790	1 151 679	2 747 075	4 194 309

* Tree farm Licences 2, 25 and 39 are partly within the Vancouver Region.

Table D.3 (continued)

SUMMARY OF BASIC DATA FOR TREE FARM LICENCES, 1981
(PRIVATE SUSTAINED YIELD UNITS)

FOREST REGION & TREE FARM LICENCE NO.	LICENSEE	PRODUCTIVE AREA (HECTARES)		TOTAL TOTAL	TOTAL AREA (HECTARES)	ALLOWABLE ANNUAL CUT (m ³)
		SCHEDULE A	SCHEDULE B			
VANCOUVER REGION						
* 2	Crown Zellerbach Canada Ltd.	57 603	110 732	168 335	189 833	780 000
6	Western Forest Products Limited	24 430	119 455	143 885	170 028	1 180 811
7	MacMillan Bloedel Limited	23 477	47 558	71 035	78 866	523 861
10	Timberland Development Co. Ltd.	265	61 559	61 824	231 116	219 000
12	Crown Zellerbach (Hardwicke Island) Limited	402	8 414	8 816	9 479	69 540
17	British Columbia Forest Products Limited	234	47 727	47 961	275 777	223 210
19	Tahsis Company Ltd.	7 570	105 260	112 830	191 479	989 672
20	MacMillan Bloedel Limited	55 155	88 447	143 602	172 271	984 260
21	MacMillan Bloedel Limited	102 642	115 482	218 124	258 942	1 845 450
22	British Columbia Forest Products Limited	21 326	130 123	151 449	166 870	1 110 586
* 25	Western Forest Products Limited	26 404	64 633	91 037	146 213	527 660
26	Corporation of the District of Mission	1 187	5 367	6 554	7 672	32 280
27	British Columbia Forest Products Limited	1 096	11 883	12 979	14 517	115 077
36	British Columbia Forest Products Limited	2 322	8 662	10 984	11 597	93 446
37	Canadian Forest Products Ltd.	37 318	98 162	135 480	188 198	1 095 980
38	Empire Mills Limited	190	52 237	52 427	219 014	263 380
* 39	MacMillan Bloedel Limited	71 854	183 557	255 411	428 993	1 836 410
REGIONAL TOTAL 17		433 475	1 259 258	1 692 733	2 760 865	11 890 623
* Tree Farm Licences 2, 25 and 39 are partly within the Prince Rupert Region						
GRAND TOTAL 34		523 479	3 556 551	4 080 030	7 379 178	19 054 738

Schedule "A" is land over which the Tree farm Licence holder has cutting rights in addition to those conveyed by the Tree farm Licence Agreement. This may include land held in fee simple, and temporary tenure land such as timber leases, timber licences, pulp leases, pulp licences and timber berths. Following removal of the mature timber, the temporary tenure lands are transferred to Schedule "B".
Schedule "B" is vacant Crown land.

Table E.1
TIMBER PROCESSING FACILITIES, 1981

Forest Region	OPERATING											SHUTDOWN		
	Sawmills						Shingle Mills					Sawmills		Shingle Mills
	Number	Eight Hour Daily Production m ³	Number of Attached Chippers	Number of Attached Barkers	Number	Eight Hour Daily Production m ³	Number of Pulp Mills	Number of Veneer and Plywood Plants	Number	Eight Hour Daily Production m ³	Number	Eight Hour Daily Production m ³	Number	Eight Hour Daily Production m ³
CARIBOO	47	15 243	36	44	2	3	2	3	46	882	2	2	2	unavailable
KAMLOOPS	109	25 045	60	77	4	54	1	6	65	793	3	3	3	5
NELSON	102	10 099	43	29	13	208	2	5	73	2 069	6	6	6	89
PRINCE GEORGE	109	35 906	65	65	1	3	5	4	256	4 571	1	1	1	14
PRINCE RUPERT	89	15 363	24	28	7	130	2	-	145	2 229	2	2	2	4
VANCOUVER	183	51 002	175	89	114	1 128	12	8	102	868	42	42	42	294
Totals 1981	639	152 658	403	332	141	1 526	24	26	687	11 412	56	56	56	406
1980	702	140 138	406	342	160	6 055	24	31	467	5 772	34	34	34	321
1979	815	151 687	385	354	171	6 923	24	31	487	7 107	34	34	34	1 179
1978	716	179 025	381	319	144	5 879	24	31	551	9 552	29	29	29	96
1977	705	138 743	365	335	114	7 406	25	31	566	12 013	25	25	25	14 514
1976	659	141 303	365	326	99	5 197	25	30	543	13 639	25	25	25	238
1975	661	147 949	354	318	106	5 712	25	30	575	15 046	19	19	19	374
1974	787	128 972	326	304	103	4 574	25	27	495	19 510	14	14	14	210
1973	810	150 954	320	307	86	4 656	24	30	455	17 734	11	11	11	382
1972	603	130 164	305	272	74	4 534	23	30	506	16 208	28	28	28	266
Ten-Year Average 1972-1981	710	146 159	361	321	120	5 246	24	30	533	12 799	28	28	28	1 799

Table E.2

EXPORT OF LOGS, 1981
(Cubic Metres)

Species	Exportable ¹	Exported Under Permit ²	Total
Balsam	17 118.2	172 131.2	189 249.4
Cedar	3 807.7	40 226.8	44 034.5
Cottonwood	63.0	12 449.4	12 512.4
Cypress	18 155.4	66 511.9	84 667.3
Fir	12 756.5	38 524.4	51 280.9
Hardwood	4 235.7	10 087.4	14 323.1
Hemlock	41 087.5	324 154.9	365 242.4
Lodgepole Pine	72.2	694.0	766.2
Spruce	12 633.9	129 019.6	141 653.5
Other	1.7	.2	1.9
Total	109 931.8	793 799.8	903 731.6

¹ Exported from lands Crown-granted prior to March 13, 1906.

² Exported under permit from Crown lands and lands granted after March 12, 1906 under authority of Section 136 of the Forest Act.

Table E.3

EXPORT OF WOOD RESIDUES, 1981
(Bone Dry Units)

FOREST REGION	Destination			TOTAL
	Other CANADA	USA	JAPAN	
VANCOUVER				
Chips	-	381 295	37 502	418 797
Sawdust	-	31 878	18 316	50 194
Hog fuel		97 081	-	97 081
NELSON				
Chips	-	63 470	15 329	78 799
Sawdust	-	15 829	-	15 829
PRINCE GEORGE				
Chips	74 584	-	43 714	118 298
KAMLOOPS				
Chips	-	61 019	133 160	194 179
CARIBOO				
Chips	-	-	127 262	127 262
TOTAL				
Chips	74 584	505 784	356 967	937 335
Sawdust	-	47 707	18 316	66 023
Hog fuel	-	97 081	-	97 081
TOTALS				
All Items	74 584	650 572	375 283	1 100 439

TABLE E.4 REGISTRANTS IN THE SMALL BUSINESS ENTERPRISE PROGRAM,
NUMBER OF SALES AWARDED TO DATE, AND
TOTAL VOLUME SCALED IN 1981

Forest Region	No. of Registrants at Dec. 31, 1981			No. of Sales Awarded to Dec. 31, 1981			Total Scale in 1981
	Cat. 1	Cat. 2	Total	Cat. 1	Cat. 2	Total	(000 m ³)
Cariboo	387	109	496	46	31	77	260
Kamloops	663	238	901	65	53	118	189
Nelson	495	253	748	34	58	92	40
Prince George	542	204	746	22	24	46	316
Prince Rupert	642	244	886	270	78	348	286
Vancouver	1080	208	1288	186	23	209	149
Total	3809	1256	5065	623	267	890	1 240

Category 1: Registrants who, at time of application, did not own any timber processing facility.

Category 2: Registrants who, at time of application, owned timber processing facilities.

TABLE E.5

SUMMARY OF ACTIVITY IN
SMALL BUSINESS ENTERPRISE PROGRAM, 1981

Forest Region	No. of Sales Awarded in 1981			Tendered Volume	Total Estimated Value
	Cat. 1	Cat. 2	Total	(000 m ³)	(\$000)
Cariboo	25	15	40	427	2,714
Kamloops	37	27	64	384	2,598
Nelson	16	21	37	162	660
Prince George	11	15	26	514	3,924
Prince Rupert	68	34	102	606	1,737
Vancouver	72	11	83	404	4,169
Total	229	123	352	2 497	15,802

Category 1: Registrants who, at time of application, did not own any timber processing facility.

Category 2: Registrants who, at time of application, owned timber processing facilities.

Total estimated value equals tendered volume multiplied by the sum of the upset price and bonus bid.

Table F.1
AVERAGE STUMPAGE PRICES RECEIVED ON TIMBER SCALED FROM TREE FARM
LICENCE CUTTING PERMITS, BY SPECIES AND FOREST REGION, 1981

	BALSAM			CEDAR			CYPRESS			FIR		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo	4 661	1.05	(1)	-	-	-	-	-	-	24 727	8.66	(1)
Kamloops	88 377	1.04	1.01 - 1.10	12 893	1.48	0.98 - 1.48	-	-	-	57 383	2.07	1.15 - 2.07
Nelson	68 492	1.11	0.26 - 1.25	199 882	1.77	1.13 - 2.00	-	-	-	89 039	1.48	1.12 - 1.57
Prince George	97 406	1.09	1.06 - 1.15	-	-	-	-	-	-	5 837	5.61	1.24 - 9.80
Prince Rupert	219 011	1.36	0.74 - 2.09	311 503	1.74	1.03 - 2.63	23 997	24.31	5.73 - (1)	-	-	-
Vancouver	1 026 774	3.61	3.02 - (1)	1 256 420	3.88	3.00 - 7.20	153 853	26.22	(1)	514 873	8.11	3.67 - (1)
Totals	1 504 721	2.85	0.26 - (1)	1 780 698	3.25	0.98 - 7.20	177 850	25.96	5.73 - (1)	691 859	6.75	1.12 - 9.80

	HEMLOCK			LARCH			LODGEPOLE PINE			SPRUCE		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo	-	-	-	-	-	-	30 199	1.10	(1)	30 673	1.56	(1)
Kamloops	14 482	1.00	(1)	5 311	2.18	(1)	196 532	1.03	0.92 - 1.15	207 334	1.24	1.11 - 1.29
Nelson	194 560	0.26	0.19 - 0.27	28 200	1.41	1.21 - 1.56	228 806	1.00	0.25 - 1.22	163 185	1.21	0.27 - 1.36
Prince George	130	0.98	0.78 - 0.98	-	-	-	11 101	1.05	1.02 - 1.14	354 100	1.41	1.20 - 1.41
Prince Rupert	937 051	1.41	0.49 - 1.99	-	-	-	47 004	1.03	0.68 - 1.07	281 596	16.76	0.94 - (1)
Vancouver	2 474 880	3.44	2.84 - (1)	-	-	-	142	3.84	(1)	90 151	18.56	7.93 - (1)
Totals	3 621 103	2.73	0.19 - (1)	33 511	1.54	1.21 - 1.56	513 784	1.02	0.25 - 1.22	1 127 039	6.56	0.27 - (1)

Table F.1 (continued)
AVERAGE STUMPAGE PRICES RECEIVED ON TIMBER SCALED FROM TREE FARM
LICENCE CUTTING PERMITS, BY SPECIES AND FOREST REGION, 1981

	WHITE PINE			OTHER SPECIES			ALL SPECIES		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo	-	-	-	109	1.01	(1)	90 369	3.32	(1)
Kamloops	1 653	10.07	(1)	722	2.59	1.48 - (1)	584 687	1.26	0.92 - 2.07
Nelson	52 265	6.20	0.37 - 12.06	664	1.28	0.50 - 1.28	1 025 093	1.37	0.19 - 12.06
Prince George	-	-	-	5 490	1.07	(1)	474 064	1.38	0.78 - 9.80
Prince Rupert	-	-	-	4 996	0.91	(1)	1 825 158	4.12	0.49 - (1)
Vancouver	11 510	2.47	(1)	3 767	1.74	1.00 - 1.74	5 532 370	4.88	1.00 - (1)
Totals	65 428	5.64	0.37 - 12.06	15 748	1.26	0.50 - (1)	9 531 741	3.95	0.19 - 12.06

(1) Sufficient information not available.

Table F.2
AVERAGE BID STUMPAGE PRICES ON CUTTING PERMITS OF TIMBER SALE HARVESTING LICENCES
AND TIMBER SALES, BY SPECIES AND FOREST REGION, 1981

	BALSAM			CEDAR			CYPRESS			FIR		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo (C)	4 913	.95	.95- .95	-	-	-	-	-	-	-	-	-
Cariboo (I)	297 720	1.06	.92- 9.02	219 127	1.30	.37- 1.89	-	-	-	1 069 636	1.92	.34-19.95
Kamloops	603 885	1.18	.93- 8.85	662 726	2.19	.38-39.25	-	-	-	833 846	2.12	1.04-27.65
Nelson	511 481	1.13	.27- 6.18	693 856	1.76	.34-20.39	-	-	-	333 024	1.98	.37-14.57
Prince George	1 437 726	1.39	.24-36.85	91 512	3.28	1.17-12.00	-	-	-	198 615	4.84	1.05-19.13
Prince Rupert (C)	425 119	2.39	2.09-17.03	563 495	2.53	1.70-13.69	57 709	7.70	3.14-33.45	110 649	9.54	2.64-15.31
Prince Rupert (I)	1 062 433	1.25	.40-11.14	69 650	1.46	1.03- 6.77	-	-	-	220	1.38	1.38- 1.38
Vancouver (C)	1 341 781	3.65	.71-32.85	1 105 172	4.39	.71-102.53	254 625	14.59	1.05-87.48	720 204	6.55	.71-36.47
Vancouver (I)	230 772	1.81	1.14- 3.38	54 801	2.42	1.46- 5.30	3 478	7.27	7.27- 7.27	170 502	2.30	1.31- 4.06
Totals	5 915 830	1.90	.24-36.85	3 460 339	2.82	.34-102.53	315 812	13.25	1.05-87.48	3 436 696	3.37	.34-36.47

	HEMLOCK			LARCH			LODGEPOLE PINE			SPRUCE		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo (C)	-	-	-	-	-	-	48 609	.21	.21- .21	6 159	1.06	1.06- 1.06
Cariboo (I)	36 724	.89	.79- 1.00	-	-	-	2 893 668	1.59	.21-15.02	1 430 772	1.43	.26- 20.00
Kamloops	402 988	1.15	.23-14.47	43 192	1.50	1.09- 7.17	1 896 718	1.44	.26-46.04	1 351 317	1.41	.97- 31.12
Nelson	458 879	.33	.18- 8.85	215 094	1.46	.34-12.37	1 886 159	1.01	.22-12.09	974 193	1.31	.27- 12.53
Prince George	78 841	.88	.80- .98	-	-	-	3 177 635	1.32	.22-15.13	6 058 156	1.56	.27- 20.19
Prince Rupert (C)	965 892	2.46	1.99-24.02	-	-	-	200	1.29	1.29- 1.29	465 394	8.04	2.17- 39.48
Prince Rupert (I)	990 641	.98	.40- 9.36	-	-	-	1 718 973	1.14	.40-10.77	952 397	1.25	.40- 11.66
Vancouver (C)	2 012 497	3.48	.71-82.94	-	-	-	2 325	1.90	1.44- 2.54	77 093	7.49	4.57 42.59
Vancouver (I)	147 343	2.04	.91- 3.08	-	-	-	21 503	1.03	1.01- 1.21	88 905	1.39	1.32- 1.39
Totals	5 093 805	2.23	.18-82.94	258 286	1.46	.34-12.37	11 645 790	1.32	.21-46.04	11 404 386	1.78	.26- 42.59

Table F.2 (continued) AVERAGE BID STUMPAGE PRICES ON CUTTING PERMITS OF TIMBER SALE HARVESTING LICENCES AND TIMBER SALES, BY SPECIES AND FOREST REGION, 1981

	WHITE PINE			OTHER SPECIES			ALL SPECIES		
	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³	Volume m ³	Price per m ³	Price Range per m ³
Cariboo (C)	-	-	-	-	-	-	59 681	.35	.21- 1.06
Cariboo (I)	-	-	-	9 925	7.25	.50-10.96	5 957 572	1.57	.21- 20.00
Kamloops	37 584	7.05	1.41- 23.78	9 958	4.19	1.00-14.91	5 842 214	1.60	.23- 46.04
Nelson	195 680	5.91	.37- 23.68	11 301	2.41	.50-16.31	5 279 667	1.38	.18- 23.68
Prince George	4 559	14.17	1.49- 19.65	5 092	.50	.50- .50	11 052 136	1.54	.22- 36.85
Prince Rupert (C)	1 960	1.58	1.08- 3.51	530	.95	.95- .95	2 590 948	3.88	.95- 39.48
Prince Rupert (I)	-	-	-	20	.50	.50- .50	4 794 334	1.15	.40- 11.66
Vancouver (C)	4 405	2.73	.45- 44.93	47 937	3.91	1.00-10.00	5 566 039	4.66	.45-102.53
Vancouver (I)	5 400	2.49	1.44- 13.57	-	-	-	722 704	1.97	.91- 13.57
Totals	249 588	6.06	.37- 44.93	84 763	3.91	.50-16.31	41 865 295	2.05	.18-102.53

TABLE F.3 FOREST AND RANGE REVENUE, FISCAL YEAR 1980/81

Timber licence rentals and fees	\$ 653,025
Timber berth rentals and fees	62,413
Timber lease rentals and fees	93,957
Timber sale rentals and fees	15,384,763
Timber sale stumpage	309,794,145
Interest	4,495,281
Timber royalty	13,706,404
Grazing permits and fees	1,447,193
Miscellaneous	1,392,059
Forest Scaling Fees	9,085,999
Forest Protection Agreement	358,404
Federal Provincial Agreement - DREE forestry	<u>5,812,000</u>
Total	<u>\$362,285,643</u>

TABLE F.4

FOREST AND RANGE REVENUE, 1977-1981

	12 Months to Dec. 31 1977	12 Months to Dec. 31 1978	12 Months to Dec. 31 1979	12 Months to Dec. 31 1980	12 Months to Dec. 31 1981
	\$	\$	\$	\$	\$
Timber licence rentals and fees	512,757.29	505,263.82	499,494.68	657,910.07	517,202
Timber berth rentals and fees	70,324.86	64,211.92	63,023.25	62,719.74	14,493,711
Timber lease rentals and fees	74,757.20	72,248.95	129,285.75	105,333.75	104,911,469
Timber licence, berth, lease - rentals & fees					517,202
Harvesting rentals and fees	806,406.86	724,629.24	14,173,405.67	14,605,061.83	14,493,711
Harvesting stumpage	62,314,958.73	159,913,091.94	416,933,571.53	465,729,055.92	104,911,469
Timber Sale cruising and advertising	275,650.62	275,878.44	40,280.74		
Timber royalty	8,628,049.98	7,530,386.48	12,831,789.96	14,914,990.46	9,119,414
Grazing permits and fees	503,775.34	556,696.15	777,007.71	1,282,816.26	1,353,266
Forest Protection Tax	1,198,161.44	986,043.00	123,460.27		
Miscellaneous	1,203,475.27	750,862.73	1,316,904.30	1,462,754.88	929,994
Weight Scaling	4,637,871.16	4,656,807.15	5,048,616.45	5,458,040.63	
Coast Scaling	587,913.39	2,529,089.93	3,314,657.95	3,590,762.63	
Forest Scaling Fees					8,239,709
Indian Affairs Agreement	143,357.00	136,850.00	264,714.00		
Forest Protection Agreement				358,403.60	358,322
ISML Fire-Fighting costs standby crews	163,909.94	2,349.64	502.00		
Reservoir-water Improvements	2,378,800.00	5,211,567.00	2,442,702.00		
Federal Provincial Agreement - DREE forestry			2,054,000.00	3,646,000.00	5,812,000
Interest				3,776,353.21	1,851,105
Totals	\$83,500,169.08	\$183,915,976.39	\$460,013,416.26	\$515,650,202.98	\$147,586,192

TABLE F.5 AMOUNTS CHARGED AGAINST LOGGING OPERATIONS, FISCAL YEAR 1980/81

Forest Region	Royalty	Miscellaneous	Scaling Expenses	Scaling Fees	Stumpage	Rentals, Cruising, Advertising, Transfer Fees	Total
	\$	\$	\$	\$	\$	\$	\$
Cariboo	(116.63)	709,142.16	728,402.86	4,045.48	11,206,873.25	1,153,722.09	13,802,069.21
Kamloops	195,299.99	600,975.57	524,455.54	4,002.80	7,435,062.97	1,409,984.96	10,169,781.83
Nelson	91,216.11	956,635.31	497,493.25	5,461.94	1,112,446.85	1,504,423.16	4,167,676.62
Prince George	110,280.11	1,698,895.40	2,589,565.17	5,598.85	14,246,632.54	3,341,604.30	21,992,576.37
Prince Rupert	2,003,462.23	1,220,421.39	598,960.07	593,547.50	45,923,948.43	2,748,613.93	53,088,953.55
Vancouver	9,986,834.51	731,180.63	498,286.88	2,642,629.61	152,358,885.32	6,386,654.47	172,604,471.42
Totals 1980/81	12,386,976.32	5,917,250.46	5,437,163.77	3,255,286.18	232,283,849.36	16,545,002.91	275,825,529.00
Totals 1979/80	15,220,207.37	5,728,353.89	326,064.96	3,338,789.27	533,135,496.37	10,743,657.26	568,492,569.12
Totals 1978/79	8,028,314.32	5,380,583.46	290,342.15	2,312,044.75	262,079,652.53	7,676,817.32	285,767,754.53
Totals 1977/78	8,983,879.87	5,230,845.18	300,416.09	2,302,628.03	88,553,379.15	2,157,066.44	107,528,214.76
Totals 1976/77	7,083,088.95	4,956,050.33	435,514.55	2,665,562.58	48,707,785.36	1,976,118.79	65,824,120.56
Totals 1975/76	5,258,416.88	4,445,957.15	422,709.28	2,462,229.56	30,630,115.00	2,012,808.31	45,232,236.18
Totals 1974/75	8,954,769.20	4,251,752.40	569,292.49	2,539,384.43	115,853,196.88	2,004,181.95	134,172,577.35
Totals 1973/74	6,694,810.26	4,031,114.49	514,197.74	2,297,984.55	252,909,645.78	2,018,277.41	268,466,030.23
Totals 1972/73	5,696,871.79	2,755,671.01	435,656.63	2,179,338.81	135,091,040.33	1,883,747.01	148,042,325.58
Totals 1971/72	5,502,832.37	2,004,531.00	429,262.36	2,124,679.35	68,137,580.27	2,251,080.00	80,449,965.35

TABLE F.6 AMOUNTS CHARGED AGAINST LOGGING OPERATIONS, 1981

Forest Region	Royalty	Miscellaneous	Interest	Scaling Fees & Expenses	Stumpage	Rentals, Cruising, Advertising, Transfer Fees	Total
	\$	\$	\$	\$	\$	\$	\$
Carlboo	89.77	645,471.47	349,433.17	6,824.95	5,723,290.26	1,039,912.12	7,765,021.74
Kamloops	104,944.76	772,114.10	364,285.33	2,271.30	2,411,880.10	1,313,376.33	4,968,871.92
Nelson	107,879.00	834,830.04	366,906.72	2,910.77	(176,254.01)	1,471,922.40	2,608,194.92
Prince George	85.82	1,532,982.04	2,042,392.49	2,570.22	631,622.43	2,760,406.37	6,970,059.37
Prince Rupert	2,450,667.30	1,234,487.30	756,105.55	452,482.35	7,080,534.39	2,827,452.40	14,801,729.29
Vancouver	8,270,127.40	313,194.28	474,352.00	2,379,722.21	46,062,129.36	6,174,851.03	63,674,376.28
Totals, 1981	10,933,794.05	5,333,079.23	4,353,475.26	2,846,781.80	61,733,202.53	15,587,920.65	100,788,253.52
Totals, 1980	13,687,373.43	6,024,670.57	4,492,977.53	3,355,953.63	333,458,773.05	14,743,836.82	375,763,585.03
Totals, 1979	12,910,812.09	5,961,595.21		3,092,979.96	489,801,319.60	15,582,570.31	527,349,277.17
Totals, 1978	8,306,627.30	5,107,149.26		2,894,821.78	214,617,486.97	1,283,656.11	232,209,741.42
Totals, 1977	8,610,617.36	5,064,910.21		2,728,373.79	67,074,287.41	2,066,412.85	85,544,601.62
Totals, 1976	6,897,258.86	5,074,293.99		3,123,279.83	48,592,302.05	2,877,314.56	66,564,449.29
Totals, 1975	6,074,174.55	4,438,210.28		2,834,920.94	28,389,508.35	1,989,319.46	43,726,133.58
Totals, 1974	8,221,171.52	3,841,145.72		3,066,601.08	169,698,769.51	1,213,664.51	186,041,352.34
Totals, 1973	6,804,683.59	3,876,214.24		2,892,160.69	251,777,437.15	1,917,706.24	267,268,201.91
Totals, 1972	5,231,473.78	2,510,946.56		2,399,416.44	96,595,977.64	1,921,977.20	108,659,791.62

TABLE F.7 MINISTRY OF FORESTS EXPENDITURES, FISCAL YEAR 1980/81

Minister's Office ^{1/}		\$ 129,009
Ministry Administration Program		
Deputy Minister & Executive Information Services	\$ 484,397	
Strategic Studies	1,210,910	
	618,264	2,313,571
Finance & Administration Program		
Financial Services	4,133,157	
Personnel Services	1,246,662	
Training Services	474,098	
Legal & Administrative Services	1,199,663	
Systems Services	731,343	
Technical Services	18,699,798	26,484,721
Forestry Program		
Inventory	5,939,196	
Fire Protection	8,206,089	
Pest Management	2,122,655	
Research	8,107,782	
Planning	867,775	
Silviculture	44,049,793	69,293,290
Fire Suppression Program		17,577,225
Timber, Range & Recreation Program		
Valuation	4,097,015	
Timber Management	4,085,979	
Range Management	2,561,168	
Recreation Management	2,640,075	
Engineering	1,690,027	
F.S. Roads Maintenance	6,718,407	
F.S. Roads Capital	702,168	
Scaling	13,849,990	36,344,829
Field Operations Program		24,926,555
Reservoir Clearing Program		5,376,611
Implementation of New Legislation		3,172,074
Building Occupancy Charges		3,317,320
Computer Consulting Charges		3,690,789
TOTAL		192,625,994

^{1/} Includes Special Warrant 10 -- \$5,000.

All above expenditure totals include accruals.