

Tables of Numbers Supporting Figures in the 1994 Forest, Range, And Recreation Resource Analysis

21 / 1996



BRITISH
COLUMBIA

Ministry of Forests Research Program

Tables of Numbers Supporting Figures in the 1994 Forest, Range, and Recreation Resource Analysis

Andy MacKinnon and
Gerry Still



Ministry of Forests Research Program

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Citation

MacKinnon, A. and G. Still. 1996. Tables of numbers supporting figures in the 1994 Forest Range and Recreation Resource Analysis. Res. Br., B.C. Min. For., Victoria, B.C. Work. Pap. 21 / 1996

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INTRODUCTION

This working paper presents, in tabular format, the data used in constructing pie charts and histograms for the *B.C. Ministry of Forests' 1994 Forest, Range and Recreation Resource Analysis* (B.C. Ministry of Forests 1995; also available on the Ministry of Forests Website at:

<http://www.for.gov.bc.ca/pab/publctns/frrra/frrratoc.htm>). This information is also available in electronic format (Excel 5.0 for Windows) from Andy MacKinnon, Research Branch.

Each table of numbers includes the following information:

- number of the figure it supports (in the 1994 Forest, Range and Recreation Resource Analysis);
- data used to construct the figure;
- any assumptions used in data assembly; and
- source and date for the database.

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Reference:

British Columbia Ministry of Forests. 1995. *Forest, Range and Recreation Resource Analysis, 1994*. Public Affairs Branch, B.C. Ministry of Forests, Victoria, BC v8w 3E7

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TABLE A1 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.2a through 1.2d.

Forest Service management by ownership	Classification of productive forest land					Forest land		Non-forest land	No typing available	Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive			
Provincial										
Timber supply area (Including timber agreement lands)	13 890	24 183	1 825	1 203	7	41 108	7 964	24 969	477	74 518
Sub-total Crown land (Under Forest Service management)	13 890	24 183	1 825	1 203	7	41 108	7 964	24 969	477	74 518
Major parks	211	739	30	15	0	995	505	1 756	2 017	5 273
Minor parks and reserves	514	558	42	18	0	1 131	135	655	9	1 930
Ecological reserves	8	22	0	0	0	30	10	54	3	98
Vancouver water district, UBC reserve forest	7	0	1	0	0	8	0	0	65	73
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	1 666	2 757	187	20	0	4 630	35	2 881	1	7 548
Temporary tenures (Other than those in Schedule 'A')	143	185	26	1	0	356	7	19	7	389
Leases and permits	2	3	0	0	0	5	0	1	0	6
Sub-total — Crown land (Not under Forest Service management)	2 551	4 264	285	55	0	7 156	693	5 366	2 102	15 316
Federal										
Indian reserves	82	90	16	5	0	193	17	125	9	344
National parks	1	2	0	0	0	2	0	1	598	602
Dominion Government blocks and military reserves	12	27	12	0	0	51	3	25	3	83
Sub-total — Federal	95	119	28	5	0	247	20	150	611	1 028
Private										
Crown grants (private and local admin.)	945	527	147	80	1	1 699	51	1 660	887	4 296
Sub-total — Private	945	527	147	80	1	1 699	51	1 660	887	4 296
Total — All ownerships	17 481	29 093	2 285	1 343	8	50 210	8 728	32 145	4 077	95 158

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 3, 1994

TABLE A2 *Population by age, sex, forest region, 1991.*

This table supports figures 1.2e, 1.3e, 1.4e, 1.5e, 1.6e, 1.7e and 1.8e.

Forest region	Total Pop.	Age range (yrs)															
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+
Cariboo	62 055	4 750	5 510	5 560	4 780	3 655	4 385	5 290	5 530	5 265	3 890	3 190	2 885	2 560	1 965	1 300	1 560
Kamloops	372 450	23 285	26 330	25 800	24 965	20 590	23 770	28 870	20 955	28 005	22 360	19 695	19 064	20 645	20 205	16 140	23 410
Nelson	150 075	10 040	11 690	11 300	10 835	8 115	9 455	12 205	13 055	12 305	8 980	7 680	7 100	7 865	6 385	5 115	7 950
Pr. George	164 075	14 295	15 300	14 150	13 210	11 995	14 495	16 175	15 010	12 500	9 570	7 385	6 250	4 990	3 345	2 310	3 035
Pr. Rupert	85 005	7 890	7 900	7 350	6 970	6 255	7 180	8 235	7 565	6 565	5 135	3 865	3 215	2 565	1 815	1 215	1 435
Vancouver	2 446 895	160 360	160 505	149 760	150 670	173 405	208 280	222 960	210 855	198 350	149 885	119 345	109 365	107 890	104 830	84 980	134 180
Provincial	2 695 975	220 620	227 235	213 920	211 430	224 015	267 565	293 735	272 970	262 990	199 820	161 160	147 879	146 515	138 545	111 060	171 570

Forest region	Age range (yrs)						
	0-14	15-24	25-34	35-44	45-54	55-64	65+
Cariboo	15 820	8 435	9 675	10 795	7 080	5 445	4 825
Kamloops	75 415	45 555	52 640	48 960	42 055	39 709	59 755
Nelson	33 030	18 950	21 660	25 360	16 660	14 965	19 450
Pr. George	43 745	25 205	30 670	27 510	16 955	11 240	8 690
Pr. Rupert	23 140	1 3 225	15 415	14 130	9 000	5 780	4 465
Vancouver	470 625	324 075	431 240	409 205	269 230	217 255	323 990
Provincial	661 775	435 445	561 300	535 960	360 980	294 394	421 175

Source: B.C. Ministry of Government Services, B.C. Stats

Dates: 1991

TABLE A3 *Employment by age and sex, all forest regions 1991.*
This table supports figures 1.2f, 1.3f, 1.4f, 1.5f, 1.6f, 1.7f and 1.8f.

Forest Region	Total Male Labour Force (census)	Male 15-24 yrs	Male 25-34 yrs	Male 35-44 yrs	Male 45-54 yrs	Male 55-64 yrs	Male 65+ yrs
Cariboo	18 360	2 880	4 465	5 185	3 465	1 920	425
Kamloops	100 390	16 855	23 845	26 570	18 980	11 465	2 435
Nelson	42800	6 960	10 230	12 530	8 015	4 340	665
Prince George	51 925	9 595	14 630	13 680	8 595	4 475	995
Prince Rupert	26 585	4 785	7 285	7 180	4 430	2 565	380
Vancouver	718 885	117 615	200 005	190 250	125 840	70 495	14 670
Provincial	958 945	158 690	260 460	255 395	169 325	95 260	19 570

Forest Region	Total Female Labour Force (census)	Female 15-24 yrs	Female 25-34 yrs	Female 35-44 yrs	Female 45-54 yrs	Female 55-64 yrs	Female 65+ yrs
Cariboo	13 750	2 430	3 780	4 195	2 355	910	125
Kamloops	81 145	14 580	20 535	23 620	15 400	6 610	1 235
Nelson	31 845	5 555	8 085	10 025	5 590	2 195	325
Prince George	37 490	8 070	10 875	10 250	5 780	2 100	285
Prince Rupert	18 935	3 710	5 755	5 225	2 870	1 215	195
Vancouver	600 170	109 725	173 075	165 060	99 905	44 565	8 310
Provincial	784 335	144 070	222 105	218 375	131 900	57 595	10 475

Forest Region	Total Labour Force (census)	Total Labour Force (calculated)
Cariboo	32 135	32 135
Kamloops	182 555	182 130
Nelson	74 550	74 515
Prince George	89 390	89 330
Prince Rupert	45 525	45 595
Vancouver	1 319 030	1 319 515
Provincial	1 743 185	1 743 220

Source: B.C. Ministry of Forests, Resources Inventory Branch
 Date: November 3, 1994

TABLE A4 Education level, by sex, forest region, 1991.

This table supports figures 1.2g, 1.3g, 1.4g, 1.5g, 1.6g, 1.7g and 1.8g.

Forest Region	Male pop	Male less 9	Male 9-13g	Male 9-139	Male cord	Male other	Male wodeg	Male undeg
Cariboo	23 545	3 150	8 110	2 745	1 455	5 110	1 520	1 405
Kamloops	142 840	16 430	41 355	16 400	8 290	37 485	11 505	11 175
Nelson	42 800	6 055	16 865	6 425	3 845	15 315	4 990	4 260
Prince George	61 675	7 680	18 970	7 755	3 490	15 765	4 305	3 915
Prince Rupert	32 255	3 725	10 030	3 485	1 865	8 260	2 520	2 240
Vancouver	950 035	71 740	223 265	115 325	43 645	240 160	115 360	140 375
Provincial	1 253 150	108 780	318 595	152 135	62 590	322095	140 200	163 370

Notes: Male pop—male population; Female pop—female population; less 9—less than grade 9; 9-13w—grade 9 to 13 without graduate certificate; 9-13g—grade 9 to 13 with graduate certificate; cord—trade certificate or diploma; other—non university education; wodeg—university without degree; undeg—university with degree.

Forest Region	Female pop	Female less 9	Female 9-13w	Female 9-13g	Female cord	Female other	Female wodeg	Female undeg
Cariboo	22 485	2 235	7 600	3 910	590	5 125	1 980	1 060
Kamloops	149 150	15 010	44 730	21 985	3 635	41 385	14 585	7 915
Nelson	31 845	6 080	16 485	8 235	1 260	15 790	6 235	2 860
Prince George	58 040	5 540	17 395	10 150	1 230	15 130	5 190	3 290
Prince Rupert	29 325	3 185	9 025	4 545	700	7 025	2 908	2 020
Vancouver	992 100	83 250	239 420	155 630	19 575	260 460	125 295	109 220
Provincial	1 282 945	115 300	334 655	204 455	26 990	344 915	156 193	126 365

Forest Region	Male G9 less	Male G9-13	Male College	Male University	Female G9 less	Female G9-13	Female College	Female University
Cariboo	3 150	10 855	6 565	2 925	2 235	11 510	5 715	3 040
Kamloops	16 430	57 755	45 775	22 680	15 010	66 715	45 020	22 500
Nelson	6 055	23 290	19 160	9 250	6 080	24 720	17 050	9 095
Prince George	7 680	26 725	19 255	8 220	5 540	27 545	16 360	8 480
Prince Rupert	3 725	13 515	10 125	4 760	3 185	13 570	7 725	4 928
Vancouver	71 740	338 590	283 805	255 735	83 250	395 050	280 035	234 515
Provincial	108 780	470 730	384 685	303 570	115 300	539 110	371905	282 558

Notes: G9less—less than grade 9; G9-13—grade 9 to 13; College—trade certificate, diploma or non university education; University—university with or without degree.

Source: B.C. Ministry of Forests, Resources Inventory Branch

Date: November, 3.1994

TABLE A5 *Occupation, forest regions, 1991.**This table supports figures 1.2h, 1.3h, 1.4h, 1.5h, 1.6h, 1.7h and 1.8h.*

Forest region	Exlf	Ag	Fish	For	Min	Mfg	Const	Trans	Comm	Whol	Ret	Fin	Real	Bus	Gov	Educ	Heal	Accom	Other
Cariboo	30 813	1 615	60	2 548	538	5 288	1 732	1 743	583	774	3 873	589	417	756	1 439	2 261	1 924	2 887	1 772
Kamloops	174 874	9 382	135	5 205	3 462	18 021	15 037	7 658	5 015	6 505	25 858	4 398	3 531	6 181	8 386	10 700	15 858	16 409	12 908
Nelson	73 730	1 780	40	3 730	5 095	9 540	4 350	4 025	1 860	1 875	9 170	1 555	725	1 760	3 985	5 300	6 345	7 180	5 135
Pr. George	87 482	3 797	40	4 972	3 878	12 170	5 900	6 535	2 909	3 541	10 632	1 940	906	2 459	4 707	5 830	5 484	6 740	4 821
Pr. Rupert	41 875	762	540	2 878	1 229	7 959	2 431	3 188	785	1 254	4 998	838	340	1 139	2 852	2 702	2 654	2 905	2 297
Vancouver	1 293 151	23 319	8 360	18 503	5 093	138 342	98 280	64 761	41 474	65 281	167 488	51 386	32 875	87 320	87 491	83 257	114 782	101 664	102 917
Provincial	1 701 925	40 655	9 175	37 835	19295	191 320	127 730	87 910	52 625	79 230	222 020	60 705	38 795	99 615	108 860	110 050	147047	137 785	129 849

Notes: Exlf—Experienced labour force; Ag—Agriculture; Fish—Fishing and trapping; For—Logging and forestry; Min—Mining (milling), quarrying and oil wells; Mfg—Manufacturing; Const—Construction; Trans—Transportation and storage; Comm—Communication and other utilities; Whol—Wholesale trade; Ret—Retail trade; Fin—Finance and insurance; Real—Real-estate operators and insurance agents; Bus—Business service; Gov—Government service; Educ—Educational service; Heal—Health and social service; Accom—Accommodation, food and beverage service; Other—other service industries.

Forest region	A	B	C	D	E	F	G	H
Cariboo	1 675	7 279	2 827	2 326	4 647	1 763	5 624	4 660
Kamloops	9 517	12 761	28 965	12 672	32 363	14 109	34 945	29 317
Nelson	1 820	8 825	13 890	5 885	11 045	4 040	15 630	12 315
Pr. George	3 836	14 567	12 354	9 444	14 173	5 306	16 021	11 560
Pr. Rupert	1 303	6 680	7 818	3 973	6 252	2 317	8 208	5 202
Vancouver	78 038	54 719	205 498	106 235	232 769	171 581	285 529	216 446
Provincial	96189	104 831	271 352	140 535	301 249	199 116	365 957	279 500

Notes: A—Agriculture, fishing and trapping; B—Logging and forestry and forest products manufacturing; C—Mining and manufacturing less forest products manufacturing; D—Construction, transportation and communication; E—Wholesale and retail trade; F—Finance, real estate and business service; G—Government, health, accommodation and other service industries.

Source: B.C. Ministry of Government Services, B.C. Stats

Date: 1991

TABLE A6 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.3a through 1.3d.

Forest Service management by ownership	Classification of productive forest land					Forest land				Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive	Non- forest land	No typing available	
Provincial										
Timber supply area (Including timber agreement lands)	1 954	3 378	319	4	1	5 656	178	1 404	2	7 239
Sub-total — Crown land (Under Forest Service management)	1 954	3 378	319	4	1	5 656	178	1 404	2	7 239
Major parks	2	3	1	0	0	6	0	16	86	108
Minor parks and reserves	18	26	1	0	0	45	1	9	0	55
Ecological reserves	0	1	0	0	0	1	0	1	0	2
Vancouver water district, UBC reserve forest	0	0	0	0	0	0	0	0	0	0
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	82	184	11	0	0	277	0	22	0	300
Temporary tenures (Other than those in Schedule 'A')	13	14	1	0	0	27	0	4	0	31
Leases and permits	1	1	0	0	0	1	0	0	0	1
Sub-total — Crown land (Not under Forest Service management)	115	228	15	0	0	358	2	51	86	497
Federal										
Indian reserves	8	10	4	0	0	22	0	19	0	41
National parks	0	0	0	0	0	0	0	0	0	0
Dominion Government Blocks and military reserves	3	14	7	0	0	25	0	5	0	30
Sub-total — federal	12	24	11	0	0	46	0	24	0	71
Private										
Crown grants (Private and local admin.)	92	76	26	1	0	195	3	225	0	423
Sub-total — Private	92	76	26	1	0	195	3	225	0	423
Total — all ownerships	2 173	3 706	370	4	1	6 254	184	1 704	88	8 230

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 3, 1994

TABLE A7 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.4a through 1.4d.

Forest Service management by ownership	Classification of productive forest land					Forest land		Non-forest land	No typing available	Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive			
Provincial										
Timber supply area (Including timber agreement lands)	1 521	2 446	225	15	4	4 210	209	1 080	3	5 502
Sub-total Crown land (Under Forest Service management)	1 521	2 446	225	15	4	4 210	209	1 090	3	5 502
Major parks	23	31	1	0	0	56	10	43	499	608
Minor parks and reserves	31	67	5	0	0	105	16	55	1	178
Ecological reserves	1	3	0	0	0	5	1	1	0	7
Vancouver water district, UBC reserve forest	0	0	0	0	0	0	0	0	0	0
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	112	124	18	0	0	254	0	22	0	277
Temporary tenures (Other than those in Schedule 'A')	20	29	5	0	0	53	1	3	0	57
Leases and permits	0	0	0	0	0	1	0	1	0	1
Sub-total — Crown land (Not under Forest Service management)	188	257	29	1	0	474	28	124	501	1 128
Federal										
Indian reserves	37	29	6	1	0	73	5	76	0	154
National parks	0	0	0	0	0	0	0	0	0	0
Dominion Government Blocks and military reserves	1	2	0	0	0	3	0	1	0	4
Sub-total — federal	38	31	6	1	0	76	5	77	0	158
Private										
Crown grants (Private and local admin.)	162	80	28	3	1	274	6	409	0	689
Sub-total — Private	162	80	28	3	1	274	6	409	0	689
Total — all ownerships	1 908	2 814	288	19	4	5 034	248	1 690	504	7 477

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 3, 1994

TABLE A8 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.5a through 1.5d.

Forest Service management by ownership	Classification of productive forest land					Forest land				Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive	Non- forest land	No typing available	
Provincial										
Timber supply area (Including timber agreement lands)	1 496	1 054	144	17	0	2 711	417	1 754	9	4 891
Sub-total — Crown land (Under Forest Service management)	1 496	1 054	144	17	0	2 711	417	1 754	9	4 891
Major parks	32	49	2	0	0	82	44	126	101	353
Minor parks and reserves	305	237	23	1	0	566	80	245	0	891
Ecological reserves	0	1	0	0	0	1	1	2	0	4
Vancouver water district, UBC reserve forest	0	0	0	0	0	0	0	0	0	0
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	285	316	22	0	0	622	0	338	0	961
Temporary tenures (Other than those in Schedule 'A')	25	10	3	0	0	38	2	2	1	43
Leases and permits	1	0	0	0	0	1	0	0	0	1
Sub-total — Crown land (Not under Forest Service management)	647	614	49	2	0	1 311	126	714	101	2 253
Federal										
Indian reserves	7	3	0	0	0	10	0	8	0	18
National parks	1	0	0	0	0	1	0	1	429	431
Dominion Government Blocks and military reserves	7	5	1	0	0	13	2	5	0	20
Sub-total — federal	15	8	1	0	0	24	3	13	429	469
Private										
Crown grants (Private and local admin.)	189	72	33	5	0	299	21	158	115	593
Sub-total — Private	189	72	33	5	0	299	21	1 58	115	593
Total — all ownerships	2 347	1 747	227	24	0	4346	567	2 640	654	8 207

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 3, 1994

TABLE A9 Forest Service management by ownership; by classification (000's ha).
This table supports figures 1.6a through 1.6d.

Forest Service management by ownership	Classification of productive forest land					Forest land		Non-forest land	No typing available	Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive			
Provincial										
Timber supply area (Including timber agreement lands)	6 007	9 022	838	975		16 842	4 172	7 310	1	28 326
Sub-total — Crown land (Under Forest Service management)	6 007	9 022	838	975		16 842	4 172	7 310	1	28 326
Major parks	56	176	15	5	0	253	99	586	6	944
Minor parks and reserves	60	74	8	14	0	156	10	54	0	221
Ecological reserves	1	4	0	0	0	5	1	3	0	9
Vancouver water district, UBC reserve forest	0	0	0	0	0	0	0	0	0	0
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	257	458	71	20	0	805	34	117	1	957
Temporary tenures (Other than those in Schedule 'A')	24	30	3	1	0	57	0	2	0	60
Leases and permits			0	0	0	0	0	0	0	1
Sub-total — Crown land (Not under Forest Service management)	399	742	97	39	0	1 278	144	762	6	2190
Federal										
Indian reserves	7	12	2	2	0	23	3	7	0	33
National parks	0	0	0	0	0	0	0	0	0	0
Dominion Government Blocks and military reserves	0	1	4	0	0	6	0	1	0	7
Sub-total — federal	8	13	6	2	0	29	3	8	0	39
Private										
Crown grants (Private and local admin.)	312	195	41	65	0	614	12	665	0	1 291
Sub-total — Private	312	195	41	65	0	614	12	665	0	1 291
Total — all ownerships	6 725	9 973	982	1 082	0	18 762	4 331	8 746	7	31 846

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 3, 1994

TABLE A10 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.7a through 1.7d.

Forest Service management by ownership	Classification of productive forest land					Forest land		Non-forest land	No typing available	Total
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive			
Provincial										
Timber supply area (Including timber agreement lands)	1 916	6 101	225	190	1	8 434	2 321	10 648	26	21 430
Sub-total — Crown land (Under Forest Service management)	1 916	6 101	225	190	1	8 434	2 321	10 648	26	21 430
Major parks	56	315	9	7	0	387	224	806	463	1 880
Minor parks and reserves	33	106	3	2	0	144	20	270	2	436
Ecological reserves	1	6	0	0	0	6	6	43	0	55
Vancouver water district, UBC reserve forest	0	0	0	0	0	0	0	0	0	0
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	98	451	9	0	0	558	0	1 071	0	1 629
Temporary tenures (Other than those in Schedule 'A')	6	11	1	0	0	18	0	1	0	19
Leases and permits	0	1	0	0	0	1	0	1	0	2
Sub-total — Crown land (Not under Forest Service management)	193	889	22	10	0	1 115	250	2 192	465	4 021
Federal										
Indian reserves	7	26	2	1	0	36	6	7	0	49
National parks	0	0	0	0	0	0	0	0	0	0
Dominion Government Blocks and Military reserves	0	3	0	0	0	3	0	12	0	15
Sub-total — Federal	7	29	2	1	0	39	6	19	0	64
Private										
Crown grants (Private and local admin.)	58	61	12	5	0	136	5	87	0	229
Sub-total — Private	58	61	12	5	0	136	5	87	0	229
Total — all ownerships	2 175	7 081	262	205	1	9 724	2 582	12 946	492	25 745

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 10, 1994

TABLE A11 *Forest Service management by ownership; by classification (000's ha).*
This table supports figures 1.8a through 1.8d.

Forest Service management by ownership	Classification of productive forest land					Forest land				
	Immature	Mature	Not satis- factorily restocked	Non- comm.	NSR silvicult.	Productive	Non- productive	Non- forest land	No typing available	Total
Provincial										
Timber supply area (Including timber agreement lands)	996	2 182	74	3	0	3 255	666	2 772	436	7 129
Sub-total — Crown land (Under Forest Service management)	996	2 182	74	3	0	3 255	666	2 772	436	7 129
Major parks	42	165	2	2	0	211	128	179	862	1380
Minor parks and reserves	67	45	2	0	0	114	7	22	6	149
Ecological reserves	4	8	0	0	0	12	2	4	3	21
Vancouver water district, UBC reserve forest	7	0	1	0	0	8	0	0	65	73
Tree farm licences (Including temporary tenures, excluding Crown grants in Schedule 'A')	833	1 224	56	1	0	2 113	1	1 310	0	3425
Temporary tenures (Other than those in Schedule 'A')	56	92	13	0	0	162	4	7	6	180
Leases and permits	0	0	0	0	0	1	0	0	0	1
Sub-total — Crown land (Not under Forest Service management)	1 011	1 534	73	3	0	2 621	142	1 522	942	5227
Federal										
Indian reserves	16	11	1	0	0	29	3	8	9	49
National parks	0	2	0	0	0	2	0	0	169	171
Dominion Government Blocks and military reserves	0	1	0	0	0	2	0	1	3	7
Sub-total — federal	16	14	1	0	0	32	3	10	181	227
Private										
Crown grants (Private and local admin.)	131	42	7	1	0	181	4	114	772	1 072
Sub-total — Private	131	42	7	1	0	181	4	114	772	1 072
Total — all ownerships	2 254	3 773	155	8	0	6089	816	4 418	2 331	13 653

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: November 10, 1994

TABLE A12 All TSAs, Crown 62 land, area in hectares by inventory type group, site class and maturity, 1994.
This table supports figures 3.3, 3.6 and 3.8.

	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Site class good											
Immature	248 582	16 832	69 254	79 979	396 331	2 890	698 376	8 166	44 220	28 319	1 592 949
Mature	212 472	25 086	61 543	54 745	621 907	1 623	989 511	166	17 997	39 521	2 024 571
Immature and Mature	461 054	41 918	130797	134 724	1 018 238	4 513	1 687 887	8 332	62 217	67.840	3 617 520
Site class medium											
Immature	568 126	37 879	195 723	217 074	744 369	2 144	1 050 947	12 305	114 936	632 254	3 575 757
Mature	626 082	321 490	773 709	843 262	2 023 856	3 096	2 938 125	5 557	31 765	1 066 621	8 633 563
Immature and Mature	1 194 208	359 369	969 432	1060 336	2 768 225	5 240	3 989 072	17 862	146 701	1 698 875	12 209 320
Site class poor											
Immature	745 385	64 508	241 393	515 601	1 449 475	2 836	2 060 910	11 895	53 599	1 252 754	6 398 356
Mature	503 356	876 601	1 286 800	2 622 232	2 353 550	33 834	3 658 902	43 809	10 980	571 722	11 961 786
Immature and Mature	1 248 741	941 109	1 528 193	3 137 833	3803 025	36 670	5 719 812	55 704	64 579	1 824 476	18 360 142
Site class low											
Immature	163 553	22 663	69 761	229 170	509 985	316	1 028 701	1 152	7 289	234 692	2 267 282
Mature	10 131	140 329	50 953	387 982	456 520	18 958	412 515	5 196	854	24 385	1 507 823
Immature and Mature	173 684	162 992	120 714	617 152	966 505	19 274	1 441 216	6 348	8 143	259 077	3 775 105
All site classes											
Immature	1 725 646	141 882	576 131	1 041 824	3 100 160	8 186	4 838 934	33 518	220 044	2 148 019	13 834 344
Mature	1 352 041	1 363 506	2 173 005	3 908 221	5 455 833	57 511	7 999 053	54 728	61 596	1 702 249	24 127 743
Immature and Mature	3 077 687	1 505 388	2 749 136	4 950045	8 555 993	65 697	12 837 987	88 246	281 640	3 850 268	37 962 087

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: October 24, 1994

TABLE A13 All TSAs, Crown 62 land, volume in (000's) cubic metres by inventory type group, site class and maturity, 1994.
This table supports figures 3.4 and 3.7.

	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Site class good											
Immature	61 226	1 472	19 716	12 210	78 471	658	32 903	1 440	9 671	5 195	222962
Mature	82 892	20 254	58 571	29 121	270 141	678	375 581	42	5 394	11 906	854 580
Immature and Mature	144 118	21 726	78 287	41 331	348 612	1 336	408 484	1 482	15 065	17 101	1 077 542
Site class medium											
Immature	115 683	5 134	42 863	30 308	141 266	407	100 864	1 581	16 176	64 869	519 151
Mature	174 733	213 999	509 784	324 533	607 968	1 055	696 195	932	7 434	270 075	2 806 708
Immature and Mature	290 416	219 133	552 647	354 841	749 234	1 462	797 059	2 513	23 610	334944	3 325 859
Site class poor											
Immature	63 926	3 394	24 130	42 084	104 070	180	88 790	864	3 454	36 457	367 349
Mature	81 519	339 950	555 622	520 526	357 906	6 217	363 772	3 351	1 752	53 108	2 283 723
Immature and Mature	145 445	343 344	579 752	562 610	461 976	6 397	452 562	4 215	5 206	89 565	2 651 072
Site class low											
Immature	1 383	193	1 166	3 515	9 376	3	6 474	29	49	592	22 780
Mature	498	22 692	9 325	22 517	21 184	1 239	11 658	172	16	946	90 247
Immature and Mature	1 881	22 885	10 491	26 032	30560	1 242	18 132	201	65	1 538	113 027
All site classes											
Immature	242 218	10 193	87 875	88 117	333 183	1 248	229 031	3 914	29 350	107 113	1 132 242
Mature	339 642	596 895	1 133 302	896 697	1 257 199	9 189	1 447 206	4 497	14 596	336 035	6 035 258
Immature and Mature	581 860	607088	1 221 177	984 814	1 590 382	10 437	1 676 237	8 411	43946	443 148	7 167 500

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: October 24, 1994

TABLE A14 *All TFLs, area in hectares by site class and maturity, 1994.*
This table supports figure 3.5.

Region	Total area	Productive area	NSR area	Mature productive area					Immature productive				
				G	M	P	L	Total	G	M	P	L	Total
Cariboo	299 507	277 584	9 749	88 359	68 520	26 500	1 638	185 017	32 874	21 809	16 753	11 382	82 818
Kamloops	315 113	293 456	2 829	33 859	72 046	39 620	2 641	148 166	26 104	83 098	30 768	2 491	142 461
Nelson	1 099 792	676 233	20 727	65 196	160 721	108 387	4 658	338 962	92 692	131 613	66 322	25 917	316 544
P. George	956 629	774 776	32 812	96 054	160 754	177 214	7 644	441 666	58 236	120 975	100 193	20 894	300 298
P. Rupert	1 628 946	561 396	9 137	30 589	174 493	195 766	56 929	457 777	24 770	31 055	29 810	8 847	94 482
Vancouver	3 404 253	2 168 478	18 861	175 480	543 705	388 075	128 305	1 235 565	394 230	417 847	94 525	7 450	914 052
Province	7 704 240	4 751 923	94 115	489 537	1 180 239	935 562	201 815	2 807 153	628 906	806 397	338 371	76 981	1 850 655

Source: B.C. Ministry of Forests, Resources Inventory Branch

Date: August 1994

TABLE A15 All TSAs and Crown 62 land areas (ha) are by age class, and inventory type group, 1994.
This table supports figure 3.6.

Inventory type group	Age range (years)									Total
	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-250	250+	
1-8	166 948	174 763	238 416	298 195	432 781	438 296	259 405	903 588	165 080	3 077 472
9-11	57 147	33 642	15 384	8 915	12 988	16 103	19 624	202 246	1 139 185	1 505 234
12-17	153 728	128 026	84 493	77 857	55 301	69 062	48 962	528 776	1 569 041	2 715 246
18-20	124 726	154 730	131 740	175 633	205 811	258 570	236 671	2 801 186	847 184	4 936 251
21-26	549 268	139 857	264 396	492 461	609 949	1 038 553	941 398	4 068 544	497 954	8 602 380
27	875	1 446	3 947	3 527	6 220	5 393	4 720	38 741	6 426	71 295
28-31	701 835	789 647	1 397 921	1 963 372	1 895 499	2 328 877	1 754 091	1 982 700	46 622	12 860 564
32	1 437	1 497	3 262	9 283	11 705	6 302	2 809	43 103	7 986	87 384
33-34	4 384	8 227	67 152	62 675	44 041	40 478	15 195	45 836	7 081	295 069
35-42	126 795	534 216	726 208	750 680	732 834	600 722	226 730	118 694	2 503	3 819 382
Total	1 887 143	1 966 051	2 932 919	3 842 598	4 007 129	4 802 356	3 509 605	10 733 414	4 289 062	37 970 277

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A16 All TSAs and Crown 62 land volumes (000's m³) are by age class by inventory type group, 1994 less decay, waste and breakage, 17.5 cm utilization to a 10 cm top.
This table supports figure 3.7.

Inventory type group	Age range (years)									Total
	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-250	250+	
1-8	584	2 653	20 122	42 726	81 652	98 329	61 617	205 431	62 959	576 073
9-11	111	320	680	1 304	2 926	5 217	6 652	78 178	511 537	606 925
12-17	1 567	7 074	13 876	20 808	17 661	24 617	17 750	241 789	861 448	1 206 590
18-20	707	4 162	6 845	13 443	24 328	36 853	36 180	550 474	302 456	975 448
21-26	352	2 709	9 505	42 839	85 659	185 092	209 660	883 343	174 584	1 593 743
27	11	54	429	816	1 542	1 103	578	5 349	840	10 722
28-31	650	15 352	37 775	166 401	259 801	380 790	338 993	443 295	10 534	1 653 591
32	8	110	356	1 259	1 353	684	289	3 415	724	8 198
33-34	0	127	4 441	7 895	8 729	8 621	3 202	9 717	1 550	44 282
35-42	1 247	8 197	27 429	66 286	116 064	126 349	55 862	30 451	271	432 156
Total	5 237	40 758	121 458	363 777	599 715	867 655	730 783	2 451 442	1 926 903	7 107 728

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A17 All TSAs, Crown 62 land, change of area in hectares by inventory type group, 1984 – 1994.
This table supports figures 3.9 and 3.13.

	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Site class good											
Immature	(6)	11 051	45 149	46 036	47 183	(1 071)	477 188	540	(855)	(701)	624 514
Mature	112 475	9 603	27 183	10 398	(57 906)	408	6 075	(41)	4 290	(6 264)	106 221
Immature and Mature	112 469	20 654	72 332	56 434	(10 723)	(663)	483 263	499	3 435	(6 965)	730 735
Site class medium											
Immature	(303 903)	(10 164)	(51 710)	(38 482)	(274 657)	(3 306)	(634 265)	(3 817)	(54 430)	(88 218)	(1 462 952)
Mature	109 371	109 073	166 899	49 692	239 500	160	(297 478)	(1 784)	(1 514)	44 713	(60 368)
Immature and Mature	4194 532)	98 909	115 189	11 210	(514 157)	(3 146)	(931 743)	(5 601)	(55 944)	(43 505)	41 523 320)
Site class poor											
Immature	40 926	27 484	46 499	(47 941)	495 0954	(448)	(999 202)	(5 192)	(7 268)	(252 302)	(1 292 539)
Mature	(128 480)	92 509	31 955	(33 960)	(26 216)	(3 843)	35 703	3 750	(3 614)	3 664	(28 532)
Immature and Mature	(87 554)	119993	78 454	(81 901)	(121 311)	(4 291)	(963 499)	(1 442)	(10 882)	(248 638)	(1 321 071)
Site class low											
Immature	133 892	20 389	60 146	97 431	195 506	(447)	268 537	184	2 777	114 654	893 069
Mature	2 616	(366 022)	(100 766)	78 519	83 974	7 281	180 784	3 297	46	8 134	(102 137)
Immature and Mature	136 508	(345 633)	(40 620)	175 950	279 480	6 834	449 321	3 481	2 823	122 788	790 932
All site classes											
Immature	(129 091)	48 760	100 084	57 044	(127 063)	(5 272)	(887 742)	(8 285)	(59 776)	(226 567)	(1 237 908)
Mature	95 982	(154 837)	125 271	104 649	(239 648)	4 006	(74 916)	5 222	(792)	50 247	(84 816)
Immature and Mature	(33 109)	(106 077)	225 355	161 693	(366 711)	(1 266)	(962 658)	(3 063)	(60 568)	(176 320)	(1 322 724)

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: October 24, 1994

TABLE A18 TFLs change in area (ha), and percentage change in area, by region, 1984 - 1994, all ownerships.
This table supports figure 3.10.

Forest region	Total area	Productive area	NSR	TFLs change of area (ha) by region, 1984 - 1994, all ownerships									
				Mature productive					Immature productive				
				Good	Medium	Poor	Low	Total	Good	Medium	Poor	Low	Total
Cariboo	265 173	244 709	30 211	86 082	61 668	21 712	653	170 115	30 448	9 891	13 611	10 897	64 847
Kamloops	(881)	1 232	(22 222)	(4 923)	(10 679)	18 111	2 641	5 150	9 933	2 541	1 381	2 336	16 191
Nelson	(240 503)	(85 725)	(182 259)	(32 007)	(76 544)	36 561	321	(71 669)	22 064	(46 121)	14 921	22 561	13 425
Prince George	725 776	571 842	169 171	36 854	95 151	156 796	7 644	296 445	37 780	105 801	95 685	20 894	260 160
Prince Rupert	(654 629)	(393 816)	(276 788)	4 333	(112 868)	(187 361)	(10 402)	(306 298)	8 896	(90 360)	5 786	4 135	(71 543)
Vancouver	69 917	191 497	(243 722)	145 889	119 966	(113 865)	(74 119)	77 871	339 422	7 457	(73 536)	(37 575)	235 768
Province	164 853	529 739	(525 609)	236 228	76 694	(68 046)	(73 262)	171 614	448 543	(10 791)	57 848	23 248	578 848

Forest Region	Total area	Productive area	NSR	TFLs percentage change in area (ha) by region, 1984 - 1994, all ownerships									
				Mature productive					Immature productive				
				Good	Medium	Poor	Low	Total	Good	Medium	Poor	Low	Total
Cariboo	772.33	744.36		3 780.50	900.00	453.47	66.29	1 141.56	1 255.07	82.99	433.20	2 246.80	360.84
Kamloops	(0.28)	0.42		(12.69)	(12.91)	84.20		3.60	61.42	3.15	4.70	1 507.10	12.82
Nelson	(17.94)	(11.25)		(32.93)	(32.26)	50.90	7.40	(17.45)	31.24	(25.95)	29.03	672.26	4.43
Prince George	314.39	281.79		62.25	145.04	767.93		204.13	184.69	697.25	2 122.56		648.16
Prince Rupert	(28.67)	(41.23)		16.50	(39.28)	(48.9)	(15.45)	(40.09)	56.04	(74.42)	24.08	87.75	(43.09)
Vancouver	2.10	9.69		493.02	28.31	(22.68)	(36.62)	6.73	619.29	1.82	(43.76)	(83.45)	34.76
Province	2.19	12.55		93.26	6.95	(6.78)	(26.63)	6.51	248.69	(1.32)	20.62	43.27	38.96

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A19 All TSAs and TFLs, change of area (ha) by site class 1984-1994, all inventory type groups.
This table supports figure 3.11.

	Site class				
	Good	Medium	Poor	Low	Total
Timber supply areas					
Immature	599 418	(1 431 236)	(1 242 939)	871 156	(1 203 601)
Mature	90 710	(51 969)	(100 447)	(49 227)	(110 933)
Immature and Mature	690 128	(1 483 205)	(1 343 386)	821 929	(1 314 534)
Tree farm licences					
Immature	117 085	(148 451)	77 708	116 665	518 509
Mature	113 742	(91 996)	(261 076)	(110 057)	106 499
Immature and Mature	230 827	(240 447)	(183 368)	6 608	625 008
Timber supply areas and tree farm licences					
Immature	716 503	(1 579 687)	(1 165 231)	987 821	(685 092)
Mature	204 452	(143 965)	(361 523)	(159 284)	(4 434)
Immature and Mature	920 955	(1 723 652)	(1 526 754)	828 537	(689 526)

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A20 All TSAs, Crown 62 land, change of volume in (000's) cubic metres by inventory type group, 1984 – 1994 ,less decay, waste and breakage.
This table supports figures 3.12, 3.14 and 3.16.

	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Site class good											
Immature	(35 569)	819	9 472	6 672	(5 891)	(56)	(2 815)	115	(685)	1 697	(26 241)
Mature	46 987	14 930	28 160	(593)	(14 214)	(66)	12 730	(27)	681	2 760	91 348
Immature and Mature	11 418	15 749	37 632	6 079	(20 1 05)	(122)	9 915	88	(4)	4 457	65 107
Site class medium											
Immature	(34 747)	(5 562)	(8 983)	(2 411)	(40 223)	(312)	(61 998)	(233)	(6 158)	1 150	(159 477)
Mature	38 459	60 165	107 198	(23 234)	(132 497)	207	(65 733)	(521)	(2 847)	(12 039)	(30 842)
Immature and Mature	3 712	54603	98 215	(25 645)	(172 720)	(105)	(127 731)	(754)	(9 005)	(10 889)	(190 319)
Site class poor											
Immature	2 120	(1 282)	1 005	(46 537)	(25 983)	60	(21 051)	(335)	(544)	(2 378)	(94 925)
Mature	(40 342)	(26 539)	(21 117)	(92 564)	(84 796)	(3 154)	(64 722)	(1 450)	(1 363)	(10 258)	(346 305)
Immature and Mature	(38 222)	(27 821)	(20 112)	(139 101)	(110 779)	(3 094)	(85 773)	(1 785)	(1 907)	(12 636)	(441 231)
Site class low											
Immature	842	125	1 165	(1 620)	7 546	(11)	3 425	15	41	592	12 122
Mature	(94)	(65 989)	7 046	(4 523)	4 571	(14)	8 708	69	6	946	(49 273)
Immature and Mature	748	(65 864)	8 211	(6 143)	12 117	(25)	12 133	84	47	1 538	(37 151)
All site classes											
Immature	(67 354)	(5 900)	2 659	(43 896)	(64 551)	(319)	(82 439)	(438)	(7 346)	1 061	(268 523)
Mature	45 010	(17 433)	121 287	(120 914)	(226 936)	(3 027)	(109 017)	(1 929)	(3 523)	(18 591)	(335 073)
Immature and Mature	(22 344)	(23 333)	123946	(164 810)	(291 487)	(3 346)	(191 456)	(2 367)	(10 869)	(17 530)	(603 594)

Note: 1984- Gross volumes less decay

1994- Gross volumes less decay, waste and breakage, 17.5 cm close utilization to a 10 cm top.

Source: B.C. Ministry of Forests, Resources Inventory Branch

Date: September 12, 1994

TABLE A21 *TFLs change in area (ha), and percentage change in area, by region, 1984 – 1994, all ownerships.*
This table supports figures 3.15 and 3.16.

All TFLs change of mature volume in (000's) cubic metres by region, 1984 - 1994. All ownerships, less decay, waste and breakage											
Forest Region	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Cariboo	800	0	0	2 611	22 549	0	14 379	0	0	506	40 846
Kamloops	500	(28)	(105)	(1539)	(1462)	(64)	1 339	(95)	400	93	(963)
Nelson	2 795	(6 923)	(6 057)	1 070	5 529	(2 244)	(803)	(31)	(206)	78	(6 792)
Prince George	(230)	(25)	20	1 763	47 931	0	22 393	0	1	4 316	76 168
Prince Rupert	0	(59 194)	(16 027)	3 169	(28 703)	0	(1 758)	0	0	(852)	(103 366)
Vancouver	(12 968)	40 902	25 832	(68 043)	2 762	(1 591)	(543)	0	0	(336)	(13 985)
Province	(9 103)	(25 269)	3 763	(60 967)	48 606	(3 900)	35 005	(126)	194	3 804	(8 092)

All TFLs percentage change of mature volume by region, 1984 - 1994. All ownerships, less decay, waste and breakage											
Forest Region	1-8	9-11	12-17	18-20	21-26	27	28-31	32	33-34	35-42	Total
Cariboo	44.54	0.00	0.00	594.76	1 541.29	0.00	1 246.01	0.00	0.00	0.00	841.84
Kamloops	9.94	(3.54)	(27.78)	(32.97)	(11.83)	(94.12)	8.28	(81.20)	99.50	47.69	(2.40)
Nelson	45.96	(31.61)	(20.05)	8.84	23.12	(91.41)	(12.91)	(59.62)	(9.80)	44.07	(6.46)
Prince George	(12.73)	(29.41)	4.45	20.97	209.86	0.00	494.00	0.00	0.00	266.91	191.67
Prince Rupert	0.00	(78.76)	(8.90)	6.49	(79.01)	0.00	(66.44)	0.00	0.00	(42.71)	(29.95)
Vancouver	(25.19)	20.18	7.03	(40.39)	25.54	(98.94)	(76.37)	0.00	0.00	(22.40)	(1.74)
Province	(13.72)	(8.40)	0.65	(25.10)	45.13	(94.41)	111.34	(74.56)	7.75	69.37	(0.60)

Note: 1984—Gross volumes less decay
1994—Gross volumes less decay, waste and breakage, 17.5 cm close utilization to a 10 cm top.

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A22 All TSAs and Crown 62 land change in area (ha) by age class by inventory type group 1984–1994.
This table supports figure 3.17.

Inventory type group	Age range (years)									Total
	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-250	250+	
1-8	(29 937)	(1 689)	(27 805)	(66 060)	(75 859)	96 012	89 140	(20 776)	3 650	(33 324)
9-11	28 133	21 007	7 059	(1 983)	1 722	(4 881)	9 276	(35 948)	(130 616)	(106 231)
12-17	44 503	53 756	(5 606)	2 201	(11 550)	9 116	16 388	9 008	73 649	191 465
18-20	(22 892)	55 791	(35 393)	9 809	(1 831)	60 946	71 696	(58 556)	68 329	147 899
21-26	261 739	5 542	(83 138)	(47 202)	(230 399)	(39 281)	(27 038)	(76 846)	(83 701)	(320 324)
27	(94)	(61)	(877)	(2 631)	34	826	2 002	4 885	248	4 332
28-31	100 835	(272 315)	(950 011)	247 590	(896 530)	(48 155)	515 660	361 582	1 263	(940 081)
32	(422)	(2 594)	(5 186)	(6 274)	2 974	3 185	626	686	3 080	(3 925)
33-34	438	(40 025)	(25 350)	3 020	(6 186)	15 240	1 600	3 854	270	(47 139)
35-42	(33 500)	(75 555)	(145 385)	17 753	(130 815)	115 007	93 931	49 896	(98 538)	(207 206)
Total	348 803	(256 143)	(1 271 692)	156 223	(1 348 440)	208 015	773 281	237 785	(162 366)	(1 314 534)

Source: B.C. Ministry of Forests, Resources Inventory Branch Date: September 12, 1994

TABLE A23 All TSAs and Crown 62 land, change in volume (000's m³) by age class by inventory type group 1984 – 1994 less decay, waste and breakage*.
This table supports figure 3.18.

Inventory type group	Age range (years)									Total
	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-250	250+	
1-8	460	(1 855)	(8 038)	(17 449)	(25 199)	(11 425)	18 454	(2 232)	19 153	(28 131)
9-11	47	199	122	(280)	(666)	(4 956)	2 461	(30 053)	9 631	(23 496)
12-17	1 362	4 475	2 502	1 344	(8 839)	(457)	1 887	(27 311)	134 396	109 360
18-20	309	2 418	(1 278)	(5 552)	(38 380)	(3 193)	(812)	(147 012)	19 324	(174 176)
21-26	(138)	1 686	2 263	6 338	(42 820)	(38 907)	(6 891)	(204 242)	(5 414)	(288 126)
27	11	31	(21)	(277)	420	135	(368)	(2 439)	(551)	(3 061)
28-31	(97)	3 875	(71 856)	(23 213)	(171 809)	(96 319)	76 803	64 128	4 388	(214 100)
32	8	64	(257)	(892)	295	201	(41)	(2 079)	122	(2 580)
33-34	(1)	(342)	(2 357)	(2 537)	(3 877)	2 230	(675)	(2 400)	(576)	(10 534)
35-42	947	2 410	210	(6 460)	(73 152)	11 340	21 141	15 417	(375)	(28 522)
Total	2 909	12 960	(78 709)	(48 977)	(364 028)	(141 351)	111 958	(338 223)	180097	(663 365)

Note:* 1984 – Gross volumes less decay
1994 – Gross volumes less decay, waste and breakage, 17.5 cm close utilization to a 10 cm top.

Source: B.C. Ministry of Forests, Resources Inventory Branch
Date: September 12, 1994

TABLE A24 *Timber volume damaged by forest insects and disease (000's m³).*
This table supports figure 3.23.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	13 785	5 891	1 639	2 352	3 300	1 772	28 739
1984/85	8 510	4 560	1 658	1 263	3 625	1 968	21 584
1985/86	3 987	5 298	1 203	729	2 383	1 948	15 548
1986/87	1 941	5 139	621	1 274	1 141	922	11 038
1987/88	763	4 946	655	1 264	1 883	730	10 241
1988/89	809	3 947	649	1 300	1 222	701	8 628
1989/90	653	1 357	843	1 460	708	703	5 724
1990/91	684	1 447	565	2 882	453	651	6 682
1991/92	647	2 654	468	2 812	495	629	7 705
1992/93	1 408	3 410	633	4 421	444	735	11 051
Total	33 187	38 649	8 934	19 757	15 654	10 759	126 940
Average	3 319	3 865	893	1 976	1 565	1 076	12 694

Source: B.C. Ministry of Forests, Annual Reports

TABLE A25 *Volume lost to pests from 1983/84 to 1992/93 (000's m³).*
This table supports figure 3.24.

Pest	Volume lost
Bark Beetles	60 723
Defoliators	24 834
Dwarf Mistletoe	21 494
Root Disease	19 889
Total	126 940

Source: B.C. Ministry of Forests, Annual Reports

TABLE A26 *Total area (ha) affected by major forest insects.*
This table supports figure 3.25.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	424 975	125 700	77 385	46 600	182 450	2 125	859 235
1984/85	407 450	109 860	88 100	37 720	30 800	5 000	678 930
1985/86	242 225	256 830	14 620	5 459	57 600	35 436	612 170
1986/87	128 420	479 790	31 740	111 745	26 840	50 035	82 857
1987/88	24 150	861 450	35 825	83 700	18 600	18 570	104 229
1988/89	50 383	409 424	31 873	105 790	74 260	16 796	688 526
1989/90	6 820	161 845	56 300	134 760	18 275	14 180	392 180
1990/91	17 140	202 225	24 835	426 710	3 550	5 325	679 785
1991/92	11 100	441 780	27 027	299 945	6 510	712	787 074
1992/93	185 840	600 970	67 381	420 930	3 215	22 717	1 301 053
Total	1 498 503	3 649 874	455 086	1 673 359	422 100	170 896	7 869 818

Source: B.C. Ministry of Forests, Annual Reports

TABLE A27 *Annual timber area (ha) lost to wildfire.*
This table supports figure 3.26.

Fire season	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984	1 076	3 600	1 077	12 713	580	859	19 908
1985	6 593	5 499	60 671	109 891	43 429	10 169	236 252
1986	1 542	1 771	2 707	6 334	1 438	3 468	17 260
1987	6 480	5 496	1 959	17 333	950	1 632	33 850
1988	2 144	1 080	1 247	5 668	613	730	11 482
1989	696	1 123	2 081	13 394	7 048	1 038	25 380
1990	2 422	910	421	55 740	5 493	10 795	75 781
1991	435	1 386	1 197	18 717	8 879	300	30 914
1992	998	2 424	1 064	13 215	11 408	1 343	30 452
1993	700	249	2 757	780	249	292	5 027

Source: B.C. Ministry of Forests, Annual Reports

TABLE A28 *Annual timber volume lost to wildfire (000's m³).*
This table supports figure 3.27.

Fire season	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984	20.0	780.0	140.0	1 267.0	73.0	191.0	2 471.0
1985	368.0	401.0	9 320.0	5 464.0	94.0	2 325.0	17 972.0
1986	97.8	166.1	229.3	551.1	126.0	295.7	1 465.9
1987	805.7	283.0	212.9	2 170.2	105.8	276.8	1 854.4
1988	89.4	68.9	139.3	81.2	106.2	79.6	564.6
1989	21.7	75.0	159.4	633.2	890.0	60.8	1 840.2
1990	153.2	39.2	25.0	2 637.6	381.4	1 789.8	5 025.4
1991	13.4	18.1	63.2	792.7	380.7	42.3	1 310.4
1992	91.9	184.5	77.8	1 460.4	797.3	119.4	2 731.3
1993	4.8	0.6	61.8	15.4	10.6	2.5	95.7

Source: B.C. Ministry of Forests, Annual Reports

TABLE A29 *Timber affected by wildfire and pests, area (ha) by forest region and year.*
This table supports figure 3.28.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	408 526	113 460	89 177	50 433	31 380	5 859	698 835
1985/86	248 818	262 329	75 291	115 350	101 029	45 605	848 422
1986/87	129 962	481 561	34 447	118 079	28 278	53 503	845 830
1987/88	30 630	866 946	37 784	101 033	19 550	20 202	1 076 145
1988/89	52 527	410 504	33 120	117 458	74 873	17 526	700 008
1989/90	7 516	162 968	58 381	148 154	25 323	15 218	417 560
1990/91	19 562	203 135	25 256	482 450	9 043	16 120	755 566
1991/92	11 535	443 166	28 224	318 662	15 389	1 012	817 988
1992/93	186 838	603 394	68 445	434 145	14 623	24 060	1 331 505

Source: B.C. Ministry of Forests, Annual Reports

TABLE A30 *Timber harvest (000's ha), area by year.*
This table supports figure 3.29.

Year	Area logged
1984/85	216.4
1985/86	231.7
1986/87	239.8
1987/88	260.0
1988/89	270.4
1989/90	218.3
1990/91	181.6
1991/92	193.0
1992/93	221.6

Source: B.C. Ministry of Forests, Annual Reports

TABLE A31 *Reforestation/Harvest levels (ha).*
This table supports figure 3.30.

Year	Net reforestation	Net harvest
1975	131 566	107 614
1976	135 454	141 278
1977	133 416	158 357
1978	130 307	149 473
1979	132 437	176 880
1980	141 467	169 051
1981	148 763	133 100
1982	164 177	145 955
1983	148 419	169 405
1984	153 726	178 608
1985	155 133	189 357
1986	166 582	203 818
1987	217 735	215 072
1988	219 062	213710
1989	225 778	174 721
1990	257 968	136 811
1991	249 734	149 715
1992	234 283	176 941
1993	212 894	170 380
1994	209 532	170 380
1995	208 229	170 380
1996	192 871	170 380
1997	184 473	170 380
1998	183 408	170 380
1999	183 408	170 380
2000	184 061	170 380

Source: B. C. Ministry of Forests, Annual Reports

TABLE A32 *Not-satisfactorily-restocked (NSR) Crown land (ha)*¹.
This table supports figure 3.31.

Year	Obligation Category ²						
	Ministry Pre '82	Ministry Pre '82	Ministry 82-87	Ministry Post '87	SBFEP ³ Post '88	Major ³ licensees Post '87	Total NSR All Categories
	good + medium	poor + low	(all sites)	(all sites)	(all sites)	(all sites)	(all sites)
1988/89	553 145	305 423	990 347	—	28 015	95 221	1 972 151
1989/90	436 691	310 293	875 178	—	47 774	192 917	1 862 853
1990/91	458 338	260 779	766 578	—	101 947	381 222	1 968 864
1991/92	326 611	181 164	417 436	45 232	62 117	496 920	1 529 480
1992/93	272 975	128 402	292 086	45 904	75 582	547 458	1 362 407

Note: 1 This information does not include the approximately 2 million hectares of pre-1982 not-stocked land that is on the Inventory Branch database. Much of the 2 million hectares is still classified as non-commercial timber, even though natural regeneration is in progress on many of the sites.

2 Key to obligation category, based on the responsibility for reforestation to the free growing stage.

Pre '82, good and medium sites

A large portion of this obligation category was treated under FRDA I, from 1985–1990, and the Forest Initiatives Program for 90–91.

Pre '82, poor and low sites

Poor and low NSR sites created prior to 1982 are given low priority for funding.

1982–87, all sites

Includes area under Small Business Enterprise program (cut prior to January 1, 1988), and areas of major licensees (cut prior to October 1, 1987), together with Ministry pre-'82, good and medium sites are considered "outstanding obligations."

Post '87, all sites

The Ministry remains responsible for basic silviculture on all areas denuded by fire and pests.

SBFEP

Basic silviculture on areas denuded after January 1, 1988 is funded by SBFEP account and implemented by the Ministry.

Major licensees Post '87, all sites

Basic silviculture on all areas harvested after October 1, 1987 is funded by major licensees. Licensees have 6–7 years to reach the basic, silviculture requirement through natural regeneration or 3–4 years through planting, as specified in the PHSP.

3 Stocking is in progress on these areas and is within allowable regeneration periods.

Source: B.C. Ministry of Forests, Silviculture Branch

TABLE A33 *Timber products billed; volume by forest region and year (000's m³)*.
This table supports figure 3.32.

Region	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Cariboo	7 283	7 566	7 710	8 496	10 977	10 071	9 656	9 647	8 159	9 065	8 839	8 146
Kamloops	7 282	9 131	8 210	9 665	8 730	9 986	9 581	9 797	8 238	9 306	9 237	9 481
Nelson	5 649	6 993	6 629	6 711	6 595	7 259	8 368	8 186	6 771	6 301	7 538	7 333
Pr. George	14 124	17 669	17 261	17 020	17 059	18 307	16 724	19 269	16 862	16 752	19 126	18 339
Pr. Rupert	7 978	11 271	11 615	9 305	9 104	9 789	11 434	11 054	9 818	9 101	9 438	9 760
Vancouver	18 626	25 078	23 046	27 684	27 443	33 640	29 426	28 982	24 456	24 396	24 592	24 958
Total	60 942	77 708	74 471	78 881	79 908	89 052	85 189	86 935	74 304	74 921	78 770	78 017

Source: B.C. Ministry of Forests, Annual Reports

TABLE A34 Volume of all products billed (000's m³)¹ by land status and year.
This table supports figure 3.33.

Land status	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
Crown land										
Tree farm licence ²	12 299	12 176	10 933	14 944	12 751	13 879	12 834	12 312	13 048	12 935
Forest licence	40 383	42 071	42 965	44 023	42 503	44 628	38 507	40 109	41 369	39 171
Timber sale licence (outside Small Business Forest Enterprise Program)	6 942	8 840	10 072	10 720	950	1 335	1 094	1 083	737	298
Timber sale licence (Small Business Forest Enterprise Program)	0	0	0	0	9 760	9 117	7 045	8 465	10 422	10 216
Licence to cut*	1 662	1 483	1 307	1 712	1 602	1 448	702	820	687	971
Timber licence – stumpage bearing		0	0	0	0	2	0	0	0	0
Royalty within tree farm licence	3 989	3 998	4 314	4 154	3 610	2 989	3 006	2 635	2 558	2 663
Royalty outside tree farm licence*	2 413	2 703	2 297	3 153	3 400	3 222	2 487	2 060	2 067	1 862
Woodlot licence	0	112	221	427	413	422	383	407	590	603
Other ³	955	962	927	875	632	912	849	685	717	1 126
Sub-total	68 643	72 345	73 036	80 008	75 621	77 654	66 908	68 575	72 193	69 846
Private land⁴										
Within tree farm licence	672	625	474	711	453	545	430	419	341	337
Outside tree farm licence and woodlot licence*	5 028	5 802	6 123	7 996	8 809	8 461	6 781	5 752	6 047	7 583
Sub-total	5 700	6 427	6 597	8 707	9 262	9 006	7 211	6 172	6 388	7 920
Federal land and Indian reserves⁵	128	109	275	337	306	274	185	173	189	247
Totals⁵	74 471	78 881	79 908	89 052	85 189	86 935	74 304	74 920	78 771	78 013

Notes: 1 Includes firmwood rejects.
2 Includes schedule "B" lands only.
3 Includes rights-of-way, beachcomb, trespass and misc.
4 All Crown-granted lands.
5 Columns may not add due to rounding.
* "Unregulated harvest."

Source: B.C. Ministry of Forests, Annual Reports

TABLE A35 Timber products billed; volume (000's m³) by forest region and species, 1992/93.
This table supports figure 3.34.

1992/93	True firs	Cedar	Cypress	Doug-fir	Hemlock	Larch	Lodgepole	Spruce	White Pine	Other
Coast										
Pr. Rupert	236	107	8		369		3	148		1
Vancouver	4 266	5 740	914	3 131	8 882		16	776	37	242
Interior										
Cariboo	454	86		1 293	44		5 245	1 638		79
Kamloops	899	524		1 651	316	84	3 559	2 078	47	90
Nelson	644	752		997	781	353	2 445	1 383	90	91
Pr. George	2 554	48		407	52		6 056	9 067		943
Pr. Rupert	2 549	139		1	2 096		2 154	1 581		47
Vancouver	183	70	8	127	108		7	78	8	2
Total	11 785	7 466	930	7 607	12 648	437	19 475	16 749	182	1 495

Source: B.C. Ministry of Forests, Annual Reports

TABLE A36 *Timber products billed, volume (000's m³) by species and year.*
This table supports figures 3.35 and 3.36.

Year	True firs	Cedar	Cypress	Doug-fir	Hemlock	Larch	Lodgepole	Spruce	White Pine	Other	Total
1982/83	7 088	6 357	462	6 626	9 709	315	13 283	16 271	232	619	60 962
1983/84	9 800	8 743	879	7 720	12 836	425	16 894	19 529	231	651	77 708
1984/85	9 229	8 439	693	7 989	11 928	419	16 093	18 972	236	473	74 471
1985/86	9 980	8 352	608	8 618	12 942	480	18 253	18 938	224	486	78 881
1986/87	9 984	8 281	641	8 658	13 740	412	19 369	17 866	230	727	79 908
1987/88	11 968	9 380	1 007	9 295	16 004	577	20 649	18 820	282	1 070	89 052
1988/89	11 226	8 641	925	9 398	15 253	660	20 956	16 518	289	1 323	85 189
1989/90	11 880	8 692	960	8 536	15 302	598	21 511	17 422	256	1 776	86 933
1990/91	9 848	7 398	800	7 312	12 538	468	19 274	14 972	189	1 504	74 303
1991/92	10 745	7 109	899	7 538	12 351	361	19 448	14 807	201	1 461	74 920
1992/93	11 785	7 465	929	7 606	12 648	437	19 474	16 749	183	1 494	78 770
1993/94	11 973	7 292	951	8 942	13 215	483	18 857	15 680	207	1 515	78 013
Total	113 533	88 857	8 803	89 296	145 251	5 152	205 204	190 864	2 553	11 584	861 097

Source: B.C. Ministry of Forests, Annual Reports

TABLE A37 *Clearcutting and partial cutting by Crown or private land (000's ha).*
This table supports figures 3.38 and 3.39.

Year	Private - partial cut	Private-clearcut	Crown-partial cut	Crown-clearcut	Total
1984-85	2.2	15.8	27.2	171.2	216.4
1985-86	2.4	18.9	24.8	185.6	231.7
1986-87	2.0	11.4	23.3	203.1	239.8
1987-88	2.9	18.2	24.4	214.5	260.0
1988-89	5.2	27.8	18.3	219.1	270.4
1989-90	2.4	21.9	16.7	177.4	218.4
1990-91	3.3	26.2	11.7	140.3	181.5
1991-92	5.8	20.9	12.9	153.4	193.0
1992-93	2.9	22.1	28.1	168.5	221.6
1993-94	N/A	N/A	N/A	N/A	0.0
Total	29.1	183.2	187.4	1633.1	2032.8
	Private - partial cut	Private-clearcut	Crown-partial cut	Crown-clearcut	Total
	1.43%	9.01%	9.22%	80.34%	100.00%

Note: That until 1991 – 92, “partial cutting” was called “selective cutting;”
“Partial cutting” means the sum of seed.
“Clearcutting” means the sum of “conventional clearcutting” and “clearcutting with reserves.”

Source: B.C. Ministry of Forests, Annual Reports

TABLE A38 *Road inventory and improvements, length (km) by year.*
This table supports figure 3.40.

Year	Total road inventory	Improvements
1984/85	26 855.0	—
1985/86	27 798.5	2 903.1
1986/87	29 061.0	2 886.0
1987/88	30 340.0	4 195.0
1988/89	35 502.0	4 967.0
1989/90	33 733.8	7 570.6
1990/91	34 952.1	6 395.3
1991/92	35 182.3	6 771.3
1992/93	37 280.3	8 297.4

Source: B.C. Ministry of Forests, Annual Reports

TABLE A39 *Road construction and improvements, cost by year (000's).*
This table supports figure 3.41.

Year	Cost of construction	Cost of improvements
1984/85	—	—
1985/86	—	—
1986/87	19 686	7 518
1987/88	17 854	8 087
1988/89	15 226	8 917
1989/90	17 306	6 017
1990/91	16 890	8 062
1991/92	18 167	7 601
1992/93	17 063	6 605

Source: B.C. Ministry of Forests, Annual Reports

TABLE A40 *Site preparation on Crown land, area (ha) by treatment method and year.*
This table supports figure 3.42.

Year	Burned	Mechanical	Chemical
1983/84	42 148	29 233	2 928
1984/85	46 549	33 294	11 184
1985/86	44 939	35 604	10 878
1986/87	68 224	37 253	8 899
1987/88	95 483	40 623	12 476
1988/89	84 515	49 659	13 744
1989/90	60 108	77 021	10 765
1990/91	37 772	72 815	7 104
1991/92	41 636	99 878	11 885
1992/93	23 699	97 740	17 000

Source: B.C. Ministry of Forests, Annual Reports

TABLE A41 *Prescribed Natural Regeneration - SBFEP and Major Licensees, Percentage Area.*
This table supports figure 3.43.

Year	SBFEP	Major Licensees	Combined
1988	46 549	33 294	11 184
1989	44 939	35 604	10 878
1990	68 224	37 253	8 899
1991	95 483	40 623	12 476
1992	84 515	49 659	13 744
1993	60 108	77 021	10 765

Source: B.C. Ministry of Forests, Annual Reports

TABLE A42 *Trees planted in British Columbia (millions).*
This table supports figures 3.44 and 3.45.

Year	Coast A	Interior A	Total	Cumulative total
1950	6.88760	0.02720	67.55400	67.55400
1951	7.80510	0.05680	7.86190	75.41590
1952	6.07900	0.19740	6.27640	81.69230
1953	5.19160	0.32240	5.51400	87.20630
1954	9.14170	0.70080	9.84250	97.04880
1955	6.82470	0.30580	7.13050	104.17930
1956	2.47060	0.37260	2.84320	107.02250
1957	3.34300	0.28330	3.62630	110.64880
1958	7.83980	0.59460	8.43440	119.08320
1959	7.42930	0.86280	8.29210	127.37530
1960	6.51100	0.23060	6.74160	134.11690
1961	6.56330	0.66920	7.23250	141.34940
1962	9.65640	0.90990	10.56630	151.91570
1963	13.29010	0.93100	14.22110	166.13680
1964	12.97570	1.35470	14.33040	180.46720
1965	15.32070	2.50120	17.82190	198.28910
1966	16.13570	2.99300	19.12870	217.41780
1967	14.94930	2.57630	17.46560	234.88340
1968	18.08130	3.00160	21.08290	255.96630
1969	20.34120	5.39230	25.73350	281.69980
1970	25.85110	8.08000	33.93110	315.63090
1971	26.12420	17.72220	43.84640	359.47730
1972	30.23500	18.15900	48.39400	407.87130
1973	32.22110	23.98490	56.20600	464.07730
1974	25.14900	28.66810	53.81710	517.89440
1975	24.14050	40.80730	64.94780	582.84220
1976	28.45700	44.36420	72.82120	655.66340
1977	28.18850	37.64320	65.83170	721.49510
1978	22.74350	37.01120	59.75470	781.24980
1979	22.72520	40.60800	63.33320	844.58300
1980	20.44620	54.52550	74.97169	919.55470
1981	18.52425	68.50314	87.02739	1 006.58200
1982	24.84945	80.40524	105.25470	1 111.83700
1983	28.51620	84.33607	112.85230	1 224.68900
1984	24.92300	96.79200	121.71500	1 346.40400
1985	23.29000	93.32300	116.61300	1 463.01700
1986	18.92600	120.94600	139.87200	1 602.88900
1987	31.93700	168.07200	200.00900	1 802.89800
1988	20.64400	178.76000	199.40400	2 002.30200
1989	22.12300	188.30000	210.42300	2 212.72500
1990	26.84800	222.93700	249.78400	2 462.50900
1991	N/A	N/A	226.84900	2 689.35800
1992	N/A	N/A	210.88800	2 900.24400

Source: B.C. Ministry of Forests, Annual Reports

TABLE A43 *Planting on Crown land, area (ha) by forest region by year.*
This table supports figure 3.46.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	5 483	15 336	5 352	29 257	14 912	24 388	94 728
1984/85	7 517	13 167	7 276	32 932	19 609	19 535	100 036
1985/86	7 381	15 363	7 188	32 581	18 166	20 763	101 442
1986/87	10 507	18 223	12 966	37 669	14 871	18 655	112 891
1987/88	15 865	18 552	18 513	53 219	28 475	29 419	164 043
1988/89	13 327	22 628	20 694	60 071	28 775	19 876	165 371
1989/90	16 014	21 265	21 291	57 308	30 544	25 665	172 087
1990/91	19 112	28 669	24 913	67 879	35 231	28 472	204 276
1991/92	19 359	29 296	19 306	62 928	33 830	31 324	196 043
1992/93	17 990	30 426	19 541	62 346	27 215	27 305	184 823
Total	132 555	212 925	157 040	496 190	251 628	245 402	1 495 740

Source: B.C. Ministry of Forests, Annual Reports

TABLE A44 *Trees planted on Crown land, area (000's ha) by species*¹.
This table supports figure 3.47.

Species	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
Cedar, yellow (cypress)	186	57	117	377	41		359	793	628
Redcedar, western	2 244	2 385	4 589	8 515	5 535	5 505	7 722	8 963	7 261
Fir, alpine		10			72	1 007	961	401	846
Fir amabilis	2 635	1 381	752	949	2 882	1 521	2 670	3 676	2 838
Fir, grand	503	468	148	406	214	357	322	631	288
Fir, noble									39
Hemlock, mountain	90	1 37	60	50	68	54	171	68	130
Hemlock, western	2 003	3 052	3 339	4 571	2 942	4 325	5 208	5 187	5 067
Larch; western ²	845	339	1 341	795	975	1 376	1 274	2 275	1 899
Pine, Lodgepole ³	25 289	29 981	34 765	57 867	61 661	78 489	89 167	80 852	83 077
Pine, western white	9	33	128	452	312	394	467	222	153
Pine, yellow (ponderosa)	118	185	88	154	202	160	481	300	285
Spruce, Engelmann and white	64 052	27 832	72 364	92 885	91 907	99 773	114 849	60 882	61 422
Spruce, Sitka	2 144	2 082	3 259	2 164	6 625	2 486	1 896	2 753	1 108
Spruce, hybrid ⁴								46 922	39 289
Willow									24
Birch								35	47
Cottonwood, black ⁵								100	1
Douglas-fir ⁶	15 840	13 800	13 291	23 585	22 286	19 907	20 030	12 782	10 489
Spruce	66 196	89 914	78 623	98 049	98 132	98 259	116 745	110 557	97 815
Cedars	2 430	2 442	4 706	8 892	5 576	5 505	8 081	9 756	7 889
True Firs	3 138	1 889	900	1 388	3 168	2 885	3 923	4 708	4 011
Pines	28 416	30 199	34 947	68 473	62 178	76 043	90 11 5	81 374	83 51 5
Hardwoods	0	0	0	0	0	0	0	138	72
Other	2 938	3 528	4 740	5 416	3 985	5 755	6683	7530	7 096
Totals	100 118	97 942	123 916	172 185	173 036	188 447	225 547	213 925	200 350

Note: 1 Includes trees planted through all funding sources for basic and incremental spacing.

2 Includes tamarack.

3 Includes coastal and interior Lodgepole pine, and jack pine.

4 Includes Sitka, Engelmann and white spruce hybrids.

5 Includes poplar.

6 Includes coastal and interior Douglas-fir.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A45 *Average 2nd year seedling survival.*
This table supports figure 3.48.

Year trees planted	% Survival
1983	69
1984	72
1985	63
1986	81
1987	85
1988	87
1989	87
1990	87
1991	86
1992	86
Average	80

Source: B.C. Ministry of Forests, Silviculture Branch

TABLE A46 *Seed inventory by source and species.*
This table supports figures 3.49a through 3.49d.

Source	Species	Current Inventory	
		Kilograms of seed	Potential seedlings (000's)
Seed orchards	Cedar, western red	59.89	12 391.10
	Cypress	1.01	0.00
	Douglas-fir	1 517.25	68 945.30
	Hemlock, western	125.48	24 148.20
	Pine, Lodgepole	23.38	3 348.00
	Pine, white	3.01	20.30
	Spruce, Sitka	100.09	23 469.00
	Spruce, species ¹	818.38	161 980.60
	Subtotal	2 648.48	294 302.50
Natural stands	Alder, red	2.54	832.60
	Cedar, western red	586.65	107 251.70
	Cypress	51.90	1 784.10
	Douglas-fir	12 362.74	376 974.50
	Fir, subalpine	1 972.01	29 350.90
	Fir, amabilis	5 164.28	24 050.00
	Fir, grand	933.90	8 581.60
	Hemlock, mountain	195.22	28 699.90
	Hemlock, western	772.28	111 721.30
	Larch, western	873.98	59 144.40
	Pine, Lodgepole	8 890.28	996 697.30
	Pine, ponderosa	1 536.59	8 974.50
	Pine, white	529.79	6 207.40
	Spruce, Sitka	682.76	91 707.80
	Spruce, species	21 102.03	2 821 049.80
Miscellaneous	89.03	5 929.70	
Subtotal	55 745.97	4 678 957.50	
Total	58 394.45	4 973 260.00	

Note: 1 Engelmann, white, and black spruces, and their hybrids.

Source: B.C. Ministry of Forests, Silviculture Branch

TABLE A47 *Seed additions (kg) to the tree seed centre by source and species.*
This table supports figures 3.50a through 3.50c.

Source	Species	Year									
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Seed orchards	Cedar, western red	-	0	0	2.0	0.2	29.2	65.8	0	3.4	0.7
	Cypress	0	0	0	0	0	0	0.4	0	0.6	0
	Douglas-fir	585.4	13.0	293.0	139.0	223.0	561.0	262.5	202.8	149.3	170.5
	Hemlock, western	0.2	0	0	0	11.7	7.5	22.3	54.7	2.9	82.1
	Pine Lodgepole	0	0	0	0	9.3	9.5	22.6	13.5	12.0	2.6
	Pine, white	0	0	0	0	0	0	0.6	1.3	0	0
	Spruce, Sitka	2.0	0	0	16.0	5.2	39.2	23.0	47.8	1.2	2.2
	Spruce, species ¹	2.4	0	2.0	0	79.9	0.7	15.0	169.0	19.1	99.1
	Subtotal	590.0	13.0	295.0	157.0	329.3	647.1	412.2	489.1	188.5	357.2
Natural stands	Cedar, western red	94.3	-	68.0	126.0	0.1	37.9	1.7	160.8	-	40.3
	Cypress	1.6	-	58.0	-	0.3	5.2	-	80.1	-	-
	Douglas-fir	63.1	69.0	815.0	19.0	849.9	2 059.2	45.0	1 505.6	126.0	469.3
	Fir, subalpine	0.0	-	-	1 77.0	-	5.0	-	509.6	48.5	573.4
	Fir, amabilis	8 09.8	-	548.0	-	256.8	1 043.1	-	2 348.8	-	1 073.6
	Fir, grand	80.2	-	82.0	4.0	101.5	195.8	-	-	-	9.9
	Hemlock, mountain	3.0	-	-	-	-	0.3	-	48.1	0.3	14.7
	Hemlock, western	11.8	-	1.0	7.0	1.9	77.3	-	113.8	-	46.5
	Larch, western	7.5	5.0	-	5.0	111.5	33.5	322.7	19.0	154.7	68.1
	Pine, Lodgepole	190.2	273.0	1 117.0	484.0	880.0	881.9	2 088.7	1 397.3	1 073.3	1 350.8
	Pine, ponderosa	90.0	15.0	59.0	-	36.3	294.7	199.3	-	611.1	352.9
	Pine, white	0.0	-	-	-	-	483.6	0.6	45.8	31.5	6.1
	Spruce, Sitka	27.8	-	-	-	-	13.7	-	6.7	-	-
	Spruce, species ¹	5 290.7	953.0	1 311.0	883.0	103.7	1 806.8	1.7	1 331.8	1 615.8	395.7
	Miscellaneous	3.3	-	128.0	20.0	-	-	-	0.6	2.5	72.8
	Subtotal	6 673.3	1 315.0	4 187.0	1 725.0	2 342.0	6 938.0	2 659.7	7 568.0	3 663.7	4 474.1
	Total	7 263.3	1 328.0	4 482.0	1 882.0	2 671.3	7 585.1	3 071.9	8 057.1	3 852.2	4 831.3

Note: ¹ Engelmann, white, and black spruces, and their hybrids.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A48 *Seed orchard size, area by species and operator, 1994.*
This table supports figures 3.51a and 3.51b.

Species	Ministry of Forests		Industry		Total	
	# of orchards	Size (ha)	# of orchards	Size (ha)	# of orchards	Size (ha)
Coast						
1 Douglas-fir	6.0	31.0	10.0	37.0	16.0	68.0
2 Western Hemlock	1.0	4.0	10.0	20.0	11.0	24.0
3 Sitka Spruce			4.0	4.5	4.0	4.5
4 Western Redcedar			5.0	3.0	5.0	3.0
5 Yellow-Cedar			3.0	2.0	3.0	2.0
6 Pacific Silver fir	1.0	3.0	3.0	10.0	4.0	13.0
7 Grand fir			1.0	1.0	1.0	1.0
8 White pine			2.0	N/A	2.0	N/A
9 Engelmann Spruce	1.0	4.0			1.0	4.0
Sub-total	9.0	42.0	38.0	77.5	47.0	119.5
Interior						
10 Spruce*	18.0	35.0	3.0	14.0	21.0	49.0
11 Lodgepole Pine	9.0	29.0	1.0	3.0	10.0	32.0
12 Western Larch	2.0	4.0			2.0	4.0
(8) White Pine	2.0	2.0			2.0	2.0
Sub-total	31.0	70.0	4.0	17.0	35.0	87.0
Total	40.0	112.0	42.0	94.5	82.0	206.5

Note: * Engelmann, White, Engelmann x white spruce.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A49 *Brushing on Crown land, area (ha) by treatment type and year.*
This table supports figure 3.52.

Year	Chemical	Manual	Total	% Chemical	% Manual
1983/84	3 541	3 513	7 054	50%	50%
1984/85	10 661	5 849	16 510	65%	35%
1985/86	13 239	5 288	18 527	71%	29%
1986/87	14 993	6 644	21 637	69%	31%
1987/88	21 995	7 274	29 269	75%	25%
1988/89	22 237	13 273	35 510	63%	37%
1989/90	37 887	22 135	60 022	63%	37%
1990/91	34 270	23 390	57 660	59%	41%
1991/92	26 759	29 320	56 079	48%	52%
1992/93	27 949	29 544	57 493	49%	51%
Total	213 531	146 230	359 761		

Source: B.C. Ministry of Forests, Annual Reports

TABLE A50 *Brushing on Crown land, area (ha) by forest region and year.*
This table supports figure 3.53.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84			683	156	671	5 544	7 054
1984/85		514	628	676	2 304	12 383	16 505
1985/86		207	608	3 713	2 278	11 721	18 527
1986/87	156	1 528	765	4 740	2 589	11 859	21 637
1987/88	328	1 795	547	8 144	5 873	12 582	29 269
1988/89	4 948	2 675	1 112	8 956	4 653	13 166	35 510
1989/90	9 901	6 180	1 653	19 161	10 187	12 940	60 022
1990/91	11 858	5 720	4 344	18 864	8 221	8 653	57 660
1991/92	8 394	6 649	7 295	16 974	7 107	9 660	56 079
1992/93	6 406	6 557	8 361	20 466	6 028	9 674	57 492
Total	41 991	31 825	25 996	101 850	49 911	108 182	359 755

Source: B.C. Ministry of Forests, Annual Reports

TABLE A51 *Silviculture surveys on Crown, area (ha) by forest region and year.*
This table supports figure 3.54.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	41 484	42 106	35 528	71 460	34 212	75 677	300 467
1984/85	46 052	52 029	59 401	91 328	29 333	87 534	365 677
1985/86	51 207	64 851	48 834	125 603	52 524	69 929	412 948
1986/87	46 582	72 016	96 704	129 423	78 121	112 221	535 067
1987/88	77 328	105 035	90 400	135 551	87 690	93 806	589 810
1988/89	91 466	116 696	100 844	168 057	125 953	79 576	682 592
1989/90	116 324	120 353	121 346	126 442	76 150	94 994	655 609
1990/91	98 465	103 470	127 429	109 873	83 086	104 822	627 145
1991/92	122 794	147 542	141 302	441 701	147 372	134 328	1 135 039
1992/93	134 128	146 461	126 692	181 916	103 847	117 538	810 582
Total	825 830	970 559	948 480	1 581 354	818 288	970 425	6 114 936

Source: B.C. Ministry of Forests, Annual Reports

TABLE A52 *Area audited for basic silviculture performance on Crown land, area (ha) by forest region and year.*
This table supports figure 3.55.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84							
1984/85							
1985/86							
1986/87							
1987/88							
1988/89	468	2 479	5 173	1 666	1 969	848	12 603
1989/90		716	2 547	6 754	1 352	4 493	15 856
1990/91	896	1 513	3 128	7 148	2 170	4 910	19 763
1991/92	27 419	3 150	2 688	15 819	1 087	11 548	61 711
1992/93	29 939	12 755	8 062	27 988	13 458	16 663	108 865
Total	58 721	20 613	21 592	59 375	20 036	38 462	218 799

Source: B.C. Ministry of Forests, Annual Reports

TABLE A53 *Area audited for basic silviculture performance on Crown land, area (ha) by licensee by year.*
 This table supports figure 3.56.

Year	Major licensees	SBFEP	Total
1983/84	N/A	N/A	N/A
1984/85	N/A	N/A	N/A
1985/86	N/A	N/A	N/A
1986/87	N/A	N/A	N/A
1987/88	N/A	N/A	N/A
1988/89	8 706	3 897	12 603
1989/90	13 744	2 112	15 856
1990/91	17 277	2 486	19 763
1991/92	56 240	5 471	61 711
1992/93	101388	7 478	108 866
Total	197 356	21 444	218 800

Source: B.C. Ministry of Forests, Annual Reports

TABLE A54 *Basic silviculture performance on Crown land (ha) for major licensees.*
 This table supports figure 3.57.

Year	Free growing likely	Free growing not likely	Total
1988/89	8 261	85	8 346
1989/90	13 394	350	13 744
1990/91	16 507	770	17 277
1991/92	54 852	1 339	56 191
1992/93	93 594	7 996	101 590
Total	186 608	10 540	197 148

Source: B.C. Ministry of Forests, Annual Reports

TABLE A55 *Basic silviculture performance on Crown land (ha) for SBFEP.*
 This table supports figure 3.58.

Year	Free growing likely	Free growing not likely	Total
1988/89	3 838	59	3 897
1989/90	2 085	27	2 112
1990/91	2 100	386	2 486
1991/92	4 873	598	5 471
1992/93	6 854	662	7 516
Total	19 750	1 732	21 482

Source: B.C. Ministry of Forests, Annual Reports

TABLE A56 *Juvenile spacing on Crown land, area (ha) by forest region and year.*
This table supports figure 3.59.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	801	36	444	36	236	5 200	6 753
1984/85	767	1 730	580	240	34	2 264	5 615
1985/86	2 047	2 375	994	588	710	4 158	10 872
1986/87	2 091	3 131	1 804	1 623	772	6 653	16 074
1987/88	6 640	4 381	2 842	4 307	4 787	9 327	32 284
1988/89	4 213	2 969	2 424	2 843	1 338	6 980	20 767
1989/90	8 228	2 987	2 692	3 541	1 600	10 818	29 866
1990/91	6 367	2 944	3 281	2 229	1 392	5 483	21 696
1991/92	20 163	4 362	4 681	4 453	1 906	10 273	45 838
1992/93	14 585	7 202	6 663	3 802	3 882	9 600	45 734
Total	65 902	32 117	26 405	23 662	16 657	70 756	235 499

Source: B.C. Ministry of Forests, Annual Reports

TABLE A57 *Pruning on Crown land, area (ha) by forest region and year.*
This table supports figure 3.60.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	0	60	67	0	0	268	395
1984/85	0	30	0	0	0	212	242
1985/86	0	11	0	0	0	47	58
1986/87	0	0	36	8	0	199	243
1987/88	0	6	104	0	12	479	601
1988/89	0	45	32	0	21	464	562
1989/90	2	39	42	21	91	200	395
1990/91	20	113	6	0	29	88	256
1991/92	93	513	153	246	270	1 350	2 625
1992/93	101	869	385	22	393	1 343	3 113
Total	216	1 686	825	297	816	4 650	8 490

Source: B.C. Ministry of Forests, Annual Reports

TABLE A58 *Fertilizing on Crown land, area (ha) by forest region and year.*
This table supports figure 3.61.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1983/84	0	0	0	0	0	0	0
1984/85	0	0	0	0	0	0	0
1985/86	0	10	0	0	7	0	17
1986/87	9 446	978	985	961	902	6 609	19 881
1987/88	1 443	1 127	1 838	2 485	1 652	5 191	13 736
1988/89	1 560	0	1 597	2 175	2 250	3 879	11 461
1989/90	1 093	1 170	1 254	2 002	1 539	8 494	15 552
1990/91	0	0	0	0	0	3 426	3 426
1991/92	0	0	0	0	0	7 451	7 451
1992/93	822	720	1 043	679	0	4 565	7 829
Total	14 364	4 005	6 717	8 302	6 350	396 15	79 353

Source: B.C. Ministry of Forests, Annual Reports

TABLE A59 (Not shown) *Comprises of tables 3.8 and 3.9 (1994 Forest, Range and Recreation Resource Analysis).*
This table supports figure 3.62.

TABLE A60 *Current allowable annual cut (AAC) for TSAs and TFLs.*
This table supports figure 3.62.

Region	TSA	Total approved current AAC (m ³ /year) ¹	Date current AAC set
VANCOUVER	ARROWSMITH	482 250	1-Jun-94
	FRASER	1 765 000	1-Jan-87
	KINGCOME	1 798 270	1-Jan-91
	MID COAST	1 000 000	1-Jan-95
	QUEEN CHARLOTTE	514 335	1-Jan-91
	SOO	580 000	1-Jan-92
	STRATHCONA	1 505 745	20-Apr-93
	SUNSHINE COAST	1 100 000	1-Jan-93
	TSA Sub-total	8 745 600	
PR. RUPERT	BULKLEY	895 000	15-Mar-93
	CASSIAR	140 000	1-Jan-84
	CRANBERRY	110 000	1-Mar-93
	KALUM	1 730 000	2-Oct-87
	KISPIOX	1 100 000	1-Jan-81
	LAKES	1 500 000	1-Jan-81
	MORICE	2 000 000	1-Jan-81
	NORTH COAST	600 000	1-Jan-94
	TSA Sub-total	8 075 000	
PR. GEORGE	DAWSON CREEK	1 860 173	12-Jul-90
	FORT NELSON	1 500 000	1-Jan-95
	FORT ST. JOHN	1 815 162	1-Jan-89
	MACKENZIE	2 951 121	1-Jan-89
	PRINCE GEORGE	9 180 499	1-Jan-91
	ROBSON VALLEY	600 000	1-Nov-90
	TSA Sub-total	17 906 955	
NELSON	ARROW	619 000	16-Feb-83
	BOUNDARY	900 000	1-Jan-93
	CRANBROOK	873 810	1-Jan-94
	GOLDEN	540 000	1-Jan-95
	INVERMERE	657 264	1-Jan-94
	KOOTENAY LAKE	900 000	1-Jan-81
	REVELSTOKE	230 000	1-Jan-95
		TSA Sub-total	4 720 074
KAMLOOPS	KAMLOOPS	2 416 680	1-Jan-94
	LILLOOET	650 000	1-Jan-88
	MERRITT	1 280 750	1-Mar-93
	OKANAGAN	2 615 000	1-Jan-94
	TSA Sub-total	6 962 430	
CARIBOO	100 MILE HOUSE	1 250 000	1-Jan-81
	QUESNEL	2 350 000	1-Aug-92
	WILLIAMS LAKE	3 975 000	1-Aug-92
	TSA Sub-total	7 575 000	
	TSA total	53 985 059	

Note: ¹ Approved current (AAC) includes base (AAC) plus temporary licences and adjustments.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A60 (Continued) Current allowable annual cut (AAC) for TSAs and TFLs.
This table supports figure 3.62.

Region	TFL #	TFL	Total approved current AAC (m ³ /year) ¹	Date current AAC set	Projected date new AAC
VANCOUVER	6	QUATSINO	1 300 000	12-Feb-87	1-Jun-94
	10	TOBA	170 950	18-Jan-90	1-Jan-94
	19	TAHSIS	978 000	1-Aug-89	1-Jan-96
	24	MORESBY	115 000	2-May-88	1-Jan-96
	25	NAKA	783 000	10-Aug-93	1-Jan-96
	26	MISSION	41 200	6-Sep-88	1-Jan-96
	37	NIMPKISH	1 068 000	29-Dec-93	1-Jan-99
	38	SQUAMISH	263 000	18-Jun-93	1-Jan-97
	39	HAIDA	3 818 000	22-Aug-89	1-Jun-95
	43	FR-HOM-KING	49 600	30-Jan-90	1-Jun-95
	44	ALBERNI	2 228 000	27-May-94	1-Jan-97
	45	CORDERO-KNIGHT	210 000	28-Nov-91	1-Jan-96
	46	WEST COAST	558 860	31-Dec-91	1-Jan-96
	47	DUNCAN BAY	711 000	5-Aug-92	1-Jan-96
54	MAQUINNA	138 000	27-May-94	1-Jan-96	
		Region Sub-total	12 432 610		
PR. RUPERT	1	PT EDWARD	720 000	23-Feb-94	1-Jan-99
	41	KITIMAT	400 000	23-Aug-94	1-Jan-99
		Region Sub-total	1 120 000		
PR. GEORGE	30	SINCLAIR	407 000	26-Apr-91	1-Jan-96
	42	TANIZUL	132 300	1-Aug-89	1-Jan-96
	48	CHETWYND	410 000	4-Feb-88	1-Jan-96
	53	NAVER	204 700	23-Dec-94	1-Jan-99
		Region Sub-total	1 154 000		
NELSON	3	LITTLE SLOCAN	65 000	30-Jun-93	1-Jan-98
	8	BOUNDARY	145 000	1-Jan-94	1-Jan-96
	14	SPILLIMACHEEN	178 926	16-Aug-90	1-Jan-96
	23	ARROW LAKES	680 000	31-Aug-94	1-Jan-99
	55	SELKIRK	110 000	20-May-93	1-Jan-96
	56	GOLDSTREAM	110 000	20-May-93	1-Jan-96
	Region Sub-total	1 288 926			
KAMLOOPS	15	INKANEPP	78 000	29-Jul-94	1-Jan-99
	18	CLEARWATER	187 000	9-Mar-93	1-Jan-96
	33	SICAMOUS	27500	1-Aug-89	1-Jun-96
	35	JAMIESON CK	125 600	30-Aug-90	1-Jan-95
	49	OKANAGAN	380 000	29-Dec-93	1-Jan-99
	Region Sub-total	798 100			
CARIBOO	5	MAC-CARIBOO	110 000	18-Dec-92	1-Jan-97
	52	BOWRON-COTTONWOOD	518 952	12-Dec-90	1-Jan-96
		Region Sub-total	628 952		
		TFL total	17 422 588		
		Provincial TSA & TFL totals	71 407 647		

Note: ¹ Approved current (AAC) includes base (AAC) plus temporary licences and adjustments.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A61 *Provincial grazing permits and licences, 1985–1992.*
This table supports figures 4.10 and 4.11.

Year	Permit			Licence		
	Number	Authorized AUMs	Used	Number	Authorized AUMs	Used
1985	1 804	735 366	674 460	300	262 283	256 500
1986	1 824	717 494	655 913	324	292 305	273 324
1987	1 807	698 950	621 996	339	294 209	270 237
1988	1 783	662 831	585 301	376	324 873	304 206
1989	1 706	627 175	573 370	411	351 405	327 702
1990	1 625	599 636	555 490	429	374 779	355 725
1991	1 366	498 418	451 492	682	499 621	472 711
1992	1 240	N/A	N/A	820	N/A	N/A

Source: B.C. Ministry of Forests, Annual Reports

TABLE A62 *Grazing and hay cutting tenures, number by region and year.*
This table supports figures 4.12 and 4.13.

Region	Permit type	1984		1985		1986		1987		1988		1989		1990		1991		1992	Average total
		P	L	P	L	P	L	P	L	P	L	P	L	P	L	P	L	P&Ls	
Cariboo	Grazing	564	92	572	95	548	108	544	124	520	130	496	138	484	142	443	179	626	
	Hay	37	68	41	78	36	82	42	80	43	83	44	75	29	15	29	72	95	
Subtotal		601	160	613	173	584	190	586	204	563	213	540	213	513	157	472	251	721	
Regional total			761		786		774		790		776		753		670		723	721	750
Kamloops	Grazing	398	115	404	125	395	127	389	127	365	141	355	145	290	2_05	268	225	492	
	Hay	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	3	
Subtotal		398	118	404	128	395	130	389	130	365	144	355	148	290	208	268	228	495	
Regional total			516		532		525		519		509		503		498		496	495	510
Nelson	Grazing	231	25	237	22	228	23	228	23	230	24	228	26	226	40	231	38	259	
	Hay	0	2	0	2	0	2	0	2	0	2	0	2	0	1	0	1	2	
Subtotal		231	27	237	25	228	25	228	25	230	26	228	28	226	41	231	39	261	
Regional total			258		262		253		253		256		256		267		270	261	259
Pr. George	Grazing	410	53	417	58	430	60	422	65	400	77	373	80	351	111	308	138	464	
	Hay	11	1	12	1	10	5	13	5	11	6	7	6	7	6	4	10	16	
Subtotal		421	54	429	59	440	65	435	70	411	83	380	86	358	117	312	158	480	
Regional total			475		488		505		505		494		466		475		470	480	484
Pr. Rupert	Grazing	178	13	169	18	182	18	176	25	166	36	151	36	109	79	92	97	193	
	Hay	4	2	2	3	2	5	2	6	3	7	3	7	1	6	0	7	7	
Subtotal		182	15	171	21	184	23	178	31	169	43	154	43	110	85	92	105	200	
Regional total			197		192		207		209		212		197		195		197	200	201
Vancouver	Grazing	23	2	25	3	24	3	24	3	25	3	22	4	25	5	24	5	26	
	Hay	1	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	
Sub total		24	2	26	3	25	3	25	3	26	3	23	4	26	5	24	5	26	
Regional total			26		29		28		28		29		27		31		29	26	31
Total of provincial tenures			2 233		2 289		2 292		2 304		2 276		2 202		2 098		2 185	2 213	
Total permits/licences		1 857	376	1 880	409	1 856	436	1 841	463	1 764	512	1 680	522	1 485	613	1 399	786	N/A	

Note: P—permit
L—licence.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A63 Hay cutting permits and licences by region (harvested tonnes of hay).
This table supports figures 4.14 and 4.15.

Region	1984		1985		1986		1987		1988		1989		1990		1991		1992
	Permit	Licence	Permit	Licence	Permit	Licence	Permit	Licence	Permit	Licence	Permit	Licence	Permit	Licence	Permit	Licence	Permit or Licence
Cariboo	518	1 018	594	1 277	592	1 337	566	1 403	464	1 373	555	1 152	395	1 259	344	1 251	1 807
Subtotal		1 536		1 871		1 929		1 969		1 837		1 707		1 654		1 595	1 807
Kamloops		106		106		106		106		106		106		106		106	106
Subtotal		106		106		106		106		106		106		106		106	106
Nelson		35		35		35		5				5					36
Subtotal		35		35		35		5				5					36
Pr. George	231	8	150	8	246	18	237	20	166	18	229	20	96	11	49	70	247
Subtotal		239		158		264		257		184		249		107		119	247
Pr. Rupert	20	37	21	47	16	122	14	67	14	137	38	102	6	101		133	140
Subtotal		57		68		138		81		151		140		107		133	40
Vancouver	5		8		8		8		8		55	0	97		100		
Sub total		5		8		8		8		8		55		97		100	
Totals of permits and licences	774	1 204	773	1 473	862	1 618	825	1 601	652	1 634	877	1 385	594	1 477	493	1 560	2 336
Total of provincial tenures		1 978		2 246		2 480		2 426		2 286		2 262		2 077		2 053	2 336

Source: B.C. Ministry of Forests, Annual Reports

TABLE A64 *Protected areas and related designations, (%) by forest region.*
This table supports figure 5.8.

Year	Cariboo ¹	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984 ²	2	7	10	2	6	10	5
1994 ³	11	8	11	3	12	14	8
2004 ⁴ projected	12	12	12	12	13	15	12
Approx. % change 1984/94	150	15	10	50	85	30	60
Proj. 4 % change 1994/04	140	50	10	300	10	8	50

Note: 1 Prior to recent Cariboo Land Use Decision which now raises 1994 totals to 12%.
2 1984: B.C. Ministry of Forests, 1984 Forest and Range Resource Analysis. Victoria, B.C.
3 1994: Land Use Coordination Office.
4 12% is a provincial target and may not occur equally in all forest regions.
4 2004: B.C.'s Protected Areas Strategy

TABLE A65 *Recreation map notations, reserves and study areas by forest region (000's ha), 1993.*
This table supports figure 5.9.

Type	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
UREP Reserve ¹	5	2	26	<1	<1	7	40
Recreation Map Notations ¹	13	1	21	34	5	1	74
Recreation Interest Areas ¹	2	148	55	59	243	12	518
PAS Study Areas ²	550	250	800	3 000	3 700	1 500	9 800
Total	570	401	902	3 093	3 948	1 520	10 432
% Region	9%	6%	7%	8%	16%	13%	11%

Source: 1 Forest Tenure Administration System (FTAS).
2 Land Use Coordination Office.

Date: 1993

TABLE A66 *Estimated and projected roaded and roadless areas (%), by forest region and year.*
This table supports figure 5.10.

Year	Cariboo ¹	Kamloops ¹	Nelson ²	Pr. George ¹	Pr. Rupert ¹	Vancouver ¹	Total
1984							
Roaded	61	71	55	24	13	41	36
Roadless	39	29	45	76	87	59	64
1994							
Roaded	69	77	58	36	19	49	44
Roadless	31	23	42	64	81	51	56
2004							
Roaded	77	81	61	48	25	57	52
Roadless	23	19	39	52	75	43	48
2014							
Roaded	85	85	63	60	30	65	58
Roadless	15	15	37	40	70	35	42
% change 1984/94							
Roaded	13	8	5	50	46	20	22
Roadless	-21	-21	-7	-16	-7	-14	-13
% change 1994/2004							
Roaded	12	5	5	32	28	16	18
Roadless	-26	-17	-7	-7	-6	-16	-14

Source: ¹ Vold, T. Status of Wilderness in B.C. B.C. Ministry of Forests, Recreation Branch, Victoria, B.C.

² Nelson Forest Region.

Date: 1992

TABLE A67 *Estimated and projected (3b) of roaded and roadless areas by broad ecosystem type and year.*
This table supports figure 5.1 1.

Year	Coastal forests	Interior forests	Subboreal forests	Boreal forests	Subalpine forests	Alpine	Total
% B.C.							
1984	11	13	13	16	27	19	100
Roaded	48	78	62	22	18	6	36
Roadless	52	22	38	78	82	94	64
1994							
Roaded	56	82	72	38	26	10	44
Roadless	44	18	28	62	74	90	56
2004							
Roaded	64	86	80	54	34	14	52
Roadless	36	14	20	46	66	86	48
2014							
Roaded	70	90	88	70	40	18	58
Roadless	30	10	12	30	60	82	42
% change 1984-1994							
Roaded	17	5	16	73	44	66	22
Roadless	-15	-18	-26	-21	-10	-4	-13
% change 1994-2004							
Roaded	14	5	11	42	31	40	18
Roadless	-18	-22	-29	-26	-11	-4	-14

Note: Coastal forests= CWH, CDF Interior forests= ICH, IDF, MS, PP, BG

Subboreal forests = SBS, SBPS Boreal forests = BWBS Subalpine forests = ESSF, SWB, MH Alpine = AT.

Source: Void, T. Status of Wilderness in B.C. B.C. Ministry of Forests, Recreation Branch, Victoria, B.C.

Date: 1992

TABLE A68 *Length of forest roads (km) by forest region and year.*
This table supports figure 5.12.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	3 097	7 224	7 597	4 937	1 775	2 225	26 855
1985/86	3 233	7 255	7 464	5 141	1 805	2 900	27 799
1986/87	3 410	7 474	7 807	5 445	1 829	3 098	29 061
1987/88	3 737	7 684	7 768	5 756	2 036	3 359	30 340
1988/89	3 792	8 307	8 124	6 260	2 274	3 745	32 502
1989/90	3 892	8 531	8 236	6 638	2 404	4 033	33 734
1990/91	3 951	8 801	8 425	7 069	2 529	4 177	34 952
1991/92	4 085	8 840	8 601	6 469	2 686	4 502	35 182
1992/93	4 244	9 003	9 026	7 395	2 870	4 742	37 280
% change	42%	27%	21%	43%	71%	148%	42%

Source: B.C. Ministry of Forests, Annual Reports

TABLE A69 *Provincially outstanding and important features in protected areas, number by forest region.*
This table supports figure 5.13.

Status	Cariboo ¹	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984 PA ²	8	21	11	18	17	48	123
1994 PA ²	24	25	13	24	30	83	199
study areas	0	0	4	11	17	11	43
other areas	30	27	22	42	82	95	298
Total	54	52	39	77	129	189	540
% change PA 84/94	200%	19%	18%	33%	76%	73%	62%

Note: ¹ Includes recent Cariboo Land Use Decision.
² PA= protected areas and related designations.

Source: B.C. Parks. Special Features for B.C. Parks: Parks Plan '90. Victoria, B.C.
Date: 1990

TABLE A70 *B.C. Ministry of Forests recreation sites, by forest region, and year.*
This table supports figure 5.14.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	129	310	218	148	77	138	1 020
1985/86	131	289	200	196	76	137	1 029
1986/87	131	365	217	202	79	146	1 140
1987/88	131	368	244	205	80	152	1 180
1988/89	141	358	235	231	77	192	1 234
1989/90	145	366	230	239	86	190	1 256
1990/91	149	378	249	250	88	186	1 300
1991/92	156	365	256	255	90	201	1 323
1992/93	163	365	267	273	90	203	1 361
% change	0%	34%	36%	55%	17%	55%	34%

Source: B.C. Ministry of Forests, Annual Reports

TABLE A71 *B.C. Ministry of Forests recreation sites, camping units by forest region and type of access, 1993.*
This table supports figure 5.15.

Type of access	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Motor home	708	1 159	720	430	338	632	3 987
Two-wheel drive	406	1 933	782	1 017	514	998	5 650
Four-wheel drive	83	266	82	92	45	89	657
Trail	6	48	105	22	14	248	443
Boat	2	17	70	23	10	271	393
Fly-in	0	1	14	0	0	1	16
Total	1 205	3 424	1 773	1 584	921	2 239	11 146

Source: Forest Tenure Administration System (FTAS)
Date: 1994

TABLE A72 *B.C. Ministry of Forests recreation trails, length (km) by forest region, and year.*
This table supports figure 5.16.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	240	477	152	74	86	153	1 182
1985/86 ¹	121	1 005	275	832	71	59	2 363
1986/87 ²	192	1 454	373	736	101	194	3 050
1987/88 ³	539	1 898	1 981	2 419	465	693	7 995
1988/89	416	2 284	332	1 294	347	409	5 082
1989/90	433	1 725	952	824	370	384	4 688
1990/91	588	1 758	1 140	1 091	433	376	5 386
1991/92	502	1 324	1 028	1 826	481	474	5 635
1992/93	570	1 320	1 260	1 160	480	480	5 280
% increase	150%	80%	360%	265%	1 310%	235%	205%

Note: 1 Increase due to recognition of already existing trails in recreation inventory.
2 Volunteer-maintained trails now recognized.
3 Increase due to assistance received in job creation programs.

Source: B.C. Ministry of Forests, Annual Reports

TABLE A73 *B.C. Ministry of Forests recreation trail types, length (km) by forest region, 1993.*
This table supports figure 5.17.

Type of trail	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Hiking	72	438	1 260	316	296	440	2 822
Multiple Use	183	329	604	168	7	17	1 308
Interpretive	6	33	10	8	11	69	137
Other	2	75	310	60	368	150	965
Summer total	262	876	2 183	549	682	676	5 231
X-country skiing	201	626	205	99	81	37	1 249
Snowmobile	173	418	20	243	5	36	895
Winter total	374	1 044	225	344	86	73	2 144

Source: Forest Tenure Administration System (FTAS)
Date: 1994

TABLE A74 B.C. Ministry of Forests recreation trail ROS class, length (km) by forest region, 1993.
This table supports figure 5.18.

ROS class	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Urban	0	0	0	0	0	0	0
Rural	46	37	2	0	0	9	94
Roaded resource land	508	739	353	225	93	567	2 485
Semi-primitive motorized	27	265	62	228	5	21	608
Semi-primitive							
Non-motorized	0	164	1 333	197	39	139	1872
Primitive	0	199	155	0	0	10	364
Total	581	1 404	1 904	650	137	746	5 423

Source: Forest Tenure Administration System (FTAS)

Date: 1994

TABLE A75 B.C. Ministry of Forests recreation sites and trail ROS class, area (000's ha) by forest region, 1993.
This table supports figure 5.19.

ROS class	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Urban	0	0	0	0	0	0	0
Rural	0.20	0.20	2.50	0.02	0.30	0.80	3.90
Roaded resource lands	6.90	28.90	12.90	15.10	5.50	10.30	79.70
Semi-primitive motorized	0.01	1.60	11.00	30.00	0.20	4.80	47.60
Semi-primitive							
Non-motorized	0.08	2.20	78.20	5.50	0.50	0.50	86.80
Primitive	0	0.70	5.70	32.30	0.20	0.01	38.90
Total	7.20	33.60	110.30	82.80	6.70	16.40	256.90

Source: Forest Tenure Administration System (FTAS)

Date: 1994

TABLE A76 B.C. Ministry of Forests recreation structures, type of structures (#) by forest region, 1993.
This table supports figure 5.20.

Structure	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Tables	680	1 263	908	956	341	989	5 137
Toilets	260	637	402	352	130	338	2 119
Boat launch	75	314	49	118	23	94	673
Registration posts	28	205	197	45	54	44	573
Shelters (cabins, huts)	4	24	37	14	5	28	112
Wharves	8	14	31	4	4	34	95

Source: Forest Tenure Administration System (FTAS)

Date: 1994

TABLE A77 Interpretive forest sites, number by forest region, 1988 and 1993.
This table supports figure 5.21.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1988	3	11	7	12	7	19	59
1993	8	16	13	20	10	30	97
% change	166	45	86	67	43	58	64

Source: B.C. Ministry of Forests, Recreation Branch

TABLE A78 *Backcountry campground conditions, number of sites by impact severity, 1993.*
This table supports figure 5.22.

Backcountry or wilderness area	Campsite impact severity		
	Minimum	Moderate	Heavy
North Rocky Mtns	2 (6%)	15 (44%)	17 (50%)
Spruce Lake area	3 (21%)	11 (79%)	0
Swan Lake wilderness area	0	6 (55%)	5 (45%)
Height-of-the-Rockies wilderness area	0	2 (40%)	3 (60%)
Total (64 campsites)	5 (8%)	34 (53%)	25 (39%)

Source: Rutledge, R. Campsites impact monitoring data. B.C. Ministry of Forests, Recreation Branch
 Date: 1994

TABLE A79 *Visually sensitive areas in B.C., percentage area by classification, 1993.*
This table supports figure 5.23.

VSA's inventoried with visual quality objectives (VQOs)	1%
VSA's inventoried, no VQOs	10%
VSA's not inventoried	19%
Not considered visually sensitive	70%
Total	100%

Source: B.C. Ministry of Forests, Recreation Branch
 Date: November 8, 1994

TABLE A80 *B.C. resident satisfaction with the amount of formally designated wilderness, % response by degree, 1993.*
This table supports figure 5.24.

There is far too little designated wilderness in B.C.	20%
There is too little designated wilderness in B.C.	41%
The amount of designated wilderness in B.C. is about right	37%
There is already too much designated wilderness in B.C.	2%
There is already far too much designated wilderness in B.C.	1%

Source: B.C. Ministry of Forests, B.C. Ministry of Environment Lands & Parks.
 Wilderness Issues in B.C.: Preliminary Results of a 1993 Province-wide Survey of B.C. Households. Victoria, B.C.
 Date: 1994

TABLE A81 *Visitor satisfaction at B.C. Ministry of Forests recreation sites, 1993.*
This table supports figure 5.25.

Motive for use	Importance	Satisfaction
to relax and get away from it all	2.8	96%
to enjoy nature and the outdoors	2.8	99%
to enjoy natural features such as scenery and wildlife	2.8	97%
to see an environment unchanged by people	2.7	85%
to enjoy activities with family and friends	2.7	97%
to get some privacy and solitude	2.6	95%
to experience a feeling of wilderness	2.6	92%
to get some physical exercise	2.5	95%
to learn more about nature	2.4	83%
to feel independent and self-reliant	2.4	91%
to feel safe and secure	2.4	92%
to feel a sense of adventure or challenge	2.3	88%
to develop outdoor skills	2.2	77%
to be free of rules and regulations	2.1	87%
to meet new people	1.7	70%
overall weighted average satisfaction		90%

Source: B.C. Ministry of Forests, Recreation Branch. Management of Forest Service Recreation sites: A Public Preference Study. Victoria, B.C.

Date: 1992

TABLE A82 *Outdoor recreation use on public lands, 1993 (millions of visitor-days of use).*
This table supports figure 5.26.

Crown land area	Total area (million ha)	B.C. residents visits	Non-residents visits	Total visits	% Total
Provincial forests ¹	81.00	45	8	53	60
Provincial parks ²	6.00	18	5	23	26
National parks ³	0.60	3	3	6	7
Regional parks ⁴	0.01	6	N/A	6	7
Totals	88.00	72 (82%)	16 (18%)	88	100

Source: 1 B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90: How British Columbians Use and Value their Public Forest Lands for Recreation. Victoria, B.C.

Date: 1991

Source: 1 Campbell Goodell Consultants Ltd. Visitor '89: Wildlife Viewing and Forest Recreation (of Non-residents), prepared for B.C. Ministry of Forests, Recreation Branch.

Date: 1990

Source: 2 B.C. Parks. Park Data Handbook. 1993. Victoria, B.C.

Date: 1994

Source: 3 Parks Canada. Western Region Attendance Statistics 1992/93. Calgary, Alberta

Date: 1993

Source: 4 B.C. Parks. B.C. Parks Effectiveness Report 1992/93. Victoria, B.C.

Date: 1994

TABLE A83 *Tourism use, number of visitor-days by origin of visitor, 1993.*
This table supports figure 5.28.

Origin	Overnight person-trips	Estimated user days (in millions)	% of total	Expenditures (revenue in billions)	% of total
B.C. Residents	16.2	111	68%	\$2.80	52%
Non-Residents	7.7	52	32%	\$2.60	48%
Total	23.9	163	100%	\$5.46	100%
Non-Residents:					
Canada	3.4	23	14%	\$1.30	24%
United States	3.4	23	14%	\$0.90	16%
Overseas	0.9	6	4%	\$0.50	9%

Source: B.C. Tourism. Tourism Highlights. Victoria, B.C.
 Date: 1993

TABLE A84 *Outdoor recreation use in provincial forests, (000's visitor-days of use) by forest region, 1993.*
This table supports figure 5.29.

Type	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
B.C. Residents ¹	2 700 (6%)	8 100 (18%)	5 000 (11%)	3 100 (7%)	2 700 (6%)	23 400 (52%)	45 000
Non- Residents ^{1, 2}	250 (3%)	1 000 (12%)	1 400 (18%)	400 (5%)	250 (3%)	4 700 (59%)	8 000
Totals	2 950 (6%)	9 100 (17%)	6 400 (12%)	3 500 (7%)	2 950 (6%)	28 100 (53%)	53 000
Park use* a,3	800	2 900	7 100	1 700	900	21 600	35 000

Note: a In national, provincial or regional parks. B.C. Parks (1994) estimates for their park districts were translated into forest regions.

Source: ¹ B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90. Victoria, B.C.
 Date: 1991

Source: ² Tourism Research Group et al. Visitor '89. B.C. Tourism, Victoria, B.C.
 Date: 1990

Source: ³ B.C. Parks. Park Data Handbook 1993. Victoria, B.C.
 Date: 1994

TABLE A85 *Outdoor recreation use in roaded and roadless areas in provincial forests, (000's visitor-days of use) by forest region, 1993.*
This table supports figure 5.30.

	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Roaded	2 300	6 300	3 900	2 400	2 200	18 700	35 800
Roadless	1 100	3 100	2 000	1 200	1 100	9 300	17 800
Total	3 400	9 400	5 900	3 600	3 300	28 000	53 600

Source: B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90
 Date: 1991

TABLE A86 B.C. Ministry of Forests recreation sites, (000's visitor-days of use) by region.
This table supports figure 5.31.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	236	308	205	120	92	330	1 291
1985/86	248	456	163	100	57	302	1 326
1986/87	237	387	136	136	66	346	1 308
1987/88	275	443	185	144	67	388	1 502
1988/89	240	393	124	161	69	423	1 410
1989/90	154	396	133	167	50	448	1 348
1990/91	170	470	138	193	61	425	1 457
1991/92	186	531	178	319	69	459	1 742
1992/93	201	531	198	261	69	525	1 785
% change	- 4%	1%	2%	30%	-16%	72%	18%

Source: B.C. Ministry of Forests, Annual Reports

TABLE A87 B.C. Ministry of Forests recreation trails, (000's visitor-days of use) by forest region.
This table supports figure 5.32.

Year	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
1984/85	6	115	54	74	6	40	295
1985/86	7	132	57	27	7	25	255
1986/87	9	142	68	45	16	220	500
1987/88	17	140	72	45	20	115	409
1988/89	14	145	67	56	19	130	432
1989/90	15	162	82	63	29	114	465
1990/91	16	129	87	71	35	128	466
1991/92	20	173	98	69	39	124	523
1992/92	22	173	113	58	39	136	541
% increase	340%	185%	175%	480%	3800%	270%	195%

Source: B.C. Ministry of Forests, Annual Reports

TABLE A88 Value added in the B.C. forest products industry (millions of dollars).
This table supports figure 7.1.

Product	1987	1988	1989	1990	1991	Average	Percent of total
Logging	1 709	1 681	1 762	1 524	1 420	1 619	24.0%
Sawmill, planing mill and shingle mill	2 566	2 175	2 180	1 820	1 573	2 063	30.0%
Veneer and plywood	293	252	278	270	215	262	3.9%
Other wood	230	263	314	363	308	295	4.4%
Total wood	3089	2 690	2 772	2 453	2096	2 620	39.0%
Pulp and paper	2 391	2 951	2 851	2 091	1 443	2 346	35.0%
Other paper and allied	119	128	137	138	114	127	2.0%
Total paper and allied	2 511	3 079	2 989	2 229	1 557	2 473	37.0%
Total forest products	7 308	7 450	7 522	6 207	5 073	6 712	100%

Source: Statistics Canada, Canadian Forestry Statistics, Catalogue 25-202
Dates: 1988-1992

TABLE A89 *Value of B.C. manufacturing shipments (billions of dollars).*
This table supports figure 7.2.

Year	Solid wood	Paper & allied	Total forest products	Total B.C.	Forest products share of B.C. shipments
1984	4 569	3 145	7 714	17 996	43%
1985	5 092	3 438	8 529	19 858	43%
1986	5 354	3 970	9 324	20 240	46%
1987	6 642	4 960	11 602	23 374	50%
1988	6 932	5 728	12 660	25 516	50%
1989	7 193	5 781	12 974	26 596	49%
1990	6 762	4 912	11 674	25 329	46%
1991	6 124	4 226	10 350	23 553	44%
1992	7 284	3 882	11 166	24 322	46%
1993	9 729	4 084	13 813	26 898	51%

Source: Statistics Canada. Canadian socio-economic information management system: d321387, d321338 and d32124
 Date: July 1994

TABLE A90 *Forest industry employment in B.C. 000's of jobs by forest sector and year.*
This table supports figure 7.3.

Year	Forestry	Wood products	Paper & allied	Forest industry total	Total goods industries	Forestry share of goods	Provincial total	Forestry share of total
1984	26	44	21	91	298	30.5%	1 191	7.6%
1985	27	40	18	85	309	27.5%	1 220	7.0%
1986	23	45	14	82	299	27.4%	1 270	6.5%
1987	24	45	16	85	310	27.4%	1 306	6.5%
1988	26	43	20	89	338	26.3%	1 358	6.6%
1989	28	49	23	100	357	28.0%	1 435	7.0%
1990	23	47	18	88	351	25.1%	1 469	6.0%
1991	23	42	19	84	351	23.9%	1 489	5.6%
1992	22	46	18	86	347	24.8%	1 517	5.7%
1993	24	51	19	94	356	26.4%	1 561	6.0%

Source: Statistics Canada, Labour Force Survey; Catalogue 71-001

TABLE A91 *Gross domestic product in the B.C. forest industry, (millions of dollars) by industry sector.*
This table supports figure 7.4.

Year	Forestry & logging	Wood products	Paper & allied	Total forest industry	Total goods sector	Forestry share of goods	Provincial total	Forestry share of total
1984	1 264	1 444	1 167	3 875	14 188	27.3%	46 034	8.4%
1985	1 231	1 746	1 112	4 089	15 175	26.9%	48 667	8.4%
1986	1 271	2 049	1 526	4 846	15 627	31.0%	51 336	9.4%
1987	1 575	2 601	2 162	6 338	18 290	34.7%	56 300	11.3%
1988	1 698	2 213	2 699	6 610	20 345	32.5%	62 472	10.6%
1989	1 719	2 322	2 600	6 641	21 242	31.3%	69 088	9.6%
1990	1 598	2 022	1 936	5 556	20 687	26.9%	73 423	7.6%
1991	1 501	1 802	1 531	4 834	19 708	24.5%	74 720	6.5%
1992	1 773	2 219	1 354	5 346	20 188	26.5%	76 061	7.0%
1993 ¹	2 736	2 943	1 425	7 104	22 628	31.4%	80 272	8.8%
						29.3%		8.8%

Note: ¹ 1993 figures are interim estimates.

Source: B.C. Ministry of Government Services. Economic Accounts 1984-1992 and 1993 interim estimates
 Date: 1994

TABLE A92 *Value of B.C. origin exports, (billions of dollars) by product type and year.*
This table supports figure 7.5.

Year	Lumber	Pulp	Newsprint	Total forest products	Total B.C.	Forest products share of B.C.
1984	2.61	1.76	0.64	6.03	12.07	50%
1985	2.78	1.60	0.83	6.24	12.78	49%
1986	3.03	1.98	0.88	6.96	13.18	53%
1987	4.14	2.87	0.99	9.31	16.24	57%
1988	4.14	3.36	0.94	9.85	17.83	55%
1989	4.22	3.72	0.97	10.15	18.33	55%
1990	3.96	3.10	1.07	9.27	16.65	56%
1991	3.80	2.50	1.04	8.43	15.22	55%
1992	4.81	2.41	0.97	9.52	16.35	58%
1993	6.74	2.36	1.17	11.75	18.97	62%

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
Dates: 1985-1994

TABLE A93 *Government revenue from the B.C. forest industry (millions of dollars).*
This table supports figures 7.6 and 7.7.

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Federal										
Current corporate income tax	20	22	109	131	240	184	14	(117)	-	152
Federal sales tax	85	108	173	207	192	210	195	-	-	-
Customs excise tax	N/A	N/A	11	13	17	18	16	7	7	5
Non-resident withholding	N/A	N/A	5	9	6	8	9	9	2	8
Total federal	105	130	298	360	455	420	234	(101)	9	165
Provincial and Municipal										
Current corporate income tax	16	18	73	87	160	123	7	(50)	16	112
Provincial sales tax	127	135	115	146	149	181	191	168	139	180
Stumpage, royalties, rents, etc.	187	209	222	386	627	648	605	574	616	849
Lumber export tax	-	-	-	285	20	-	-	-	-	-
Property tax	175	139	119	100	92	111	133	159	162	154
Gas & fuel tax	32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Electricity taxes	52	52	50	48	49	51	74	63	54	83
Logging tax	4	5	9	24	41	34	3	(22)	(10)	21
Corporation capital tax	8	8	8	3	-	-	-	-	29	40
Total provincial and municipal	601	566	596	1 079	1 138	1 148	1 013	892	1 006	1 439
Total government	706	696	894	1 439	1 593	1 568	1 247	791	1 015	1604
Total direct provincial revenue										
From the forest industry ¹	426	427	477	979	1 046	1 037	880	733	844	1 285
Gross provincial revenues ²	6 529	6 983	7 305	7 439	8 953	10 421	11 463	12 430	12 696	13 578
Total	6.5%	6.1 %	6.5%	13.2%	11.7%	10.0%	7.7%	5.9%	6.6%	9.5%

Note: ¹ Estimated by removing property taxes from the Provincial and Municipal total. Some error is introduced because some property taxes go to the provincial government and a small amount from some of the other revenues may go to municipal governments.
² Does not include federal transfer payments.

Source: Price Waterhouse. "The Forest Industry in British Columbia - 1993."
Date: 1994

Source: B.C. Ministry of Finance and Corporate Relations. B.C. Economic and Statistical Review.
Date: 1993

TABLE A94 *Timber products billed, volume (000's m³) by coast or interior and year.*
This table supports figure 7.8.

Year	Coast	Interior	Total
1984	27 226	47 330	74 556
1985	27 722	49 146	76 868
1986	26 561	50 942	77 503
1987	33 791	56 800	90 591
1988	32 819	53 988	86 807
1989	29 940	57 474	87 414
1990	25 209	53 108	78 316
1991	24 760	48 916	73 676
1992	23 526	50 478	74 004
1993	25 684	53 555	79 239

Source: B.C. Ministry of Forests, Timber Harvesting Branch. Timber Scale Billed Report

TABLE A95 *Disposition of B.C. log harvest, volume (000's m³) by process type, 1992.*
This table supports figure 7.9.

Use	Volume	Percent
Sawmills	60 849	81.8%
Veneer and panel mills	4 713	6.3%
Chip mills	2 468	3.3%
Shake and shingle mills	1 321	1.8%
Pulp and paper mills	3 349	4.5%
Post, pole, log homes, etc.	530	0.7%
Log exports	1 139	1.5%
Total	74 369	100.0%
Harvest	74 004	
Discrepancy	(365)	

Source: B.C. Ministry of Forests, Timber Harvesting Branch; unpublished data based on Major Primary Timber Processing Facilities in B.C. – 1992

Date: 1993

TABLE A96 *B.C. lumber production, million board feet by coast or interior and year.*
This table supports figure 7.10.

Year	Coast	%	Interior	%	Total
1984	3 903	30%	9 175	70%	13 078
1985	3 996	29%	10 008	71%	14 003
1986	3 753	28%	9 582	72%	13 335
1987	4 674	29%	11 214	71%	15 888
1988	4 583	29%	10 991	71%	15 574
1989	4 140	27%	11 096	73%	15236
1990	3 801	27%	10 401	73%	14 203
1991	3 466	26%	9 843	74%	13 309
1992	3 527	25%	10 625	75%	14 152
1993	3 587	25%	10 797	75%	14 384

Source: Statistics Canada, Catalogue 35-003

TABLE A97 *Distribution of B.C. sawmill capacity, board feet/year by mill capacity and region, 1993.*
This table supports figure 7.11.

Resource analysis region	Number of mills			Total capacity	
	Capacity over 100 mill fbm per year	Capacity 50-100 mill fbm per year	Capacity under 50 mill fbm per year	Total	Mill fbm per year
Cariboo	9	6	1	16	1 814.4
Kamloops	11	6	10	27	1 946.4
Nelson	8	5	15	28	1 732.8
Prince George	23	6	4	33	4 423.2
Prince Rupert	7	4	3	14	1 639.2
Vancouver	15	19	19	53	4 092.0
Total	73	46	52	171	15 648.0

Notes: Includes only those lumber mills which in 1993 produced more than 3 mill fbm of lumber.

Prince George NE – includes Dawson Creek FD, Fort St. John FD and Fort Nelson FD.

Prince Rupert Coast – includes Kalum FD and North Coast FD.

Administration of Queen Charlotte FD was transferred to Vancouver FR in 1985/86.

Source: B.C. Ministry of Forests, Timber Harvesting Branch. Major Primary Timber Processing Facilities in B.C.—1993–1994

Date: 1994

TABLE A98 *B.C. plywood production (millions ft²).*
This table supports figure 7.12.

Year	Production (3/8" basis)
1984	1 751
1985	1 854
1986	1 734
1987	2 146
1988	2 066
1989	2 070
1990	1 853
1991	1 610
1992	1 753
1993	1 742

Source: Statistics Canada, 35-001

TABLE A99 *Pulp and paper production, weight (000's tonnes) by product type and year.*
This table supports figure 7.13.

Year	Newsprint	Total paper & paperboard	Chemical market pulp	Total market pulp	Total pulp & paper
1984	1 272	2 084	2 698	3 051	5 135
1985	1 455	2 470	3 044	3 442	5 913
1986	1 517	2 628	3 307	3 727	6 355
1987	1 581	2 753	3 860	4 291	7 044
1988	1 648	2 878	3 871	4 354	7 232
1989	1 689	2 862	3 730	4 281	7 143
1990	1 763	3 002	3 177	3 709	6 712
1991	1 561	2 721	3 397	3 957	6 679
1992	1 545	2 692	3 358	3 954	6 646
1993	1 917	3 057	3 382	3 984	7 041

Source: Canadian Pulp and Paper Association. Province of B.C. Pulp and Paper Production and Shipments
Date: 1994

TABLE A100 *World exports of forest products, by product and region, 1989–1991 average. (millions of U.S. dollars).*
This table supports figure 7.14.

Country/Region	Roundwood	Lumber	Wood based panels	Wood pulp	Paper & paperboard	Total
Africa	692	40	155	297	90	1576
Canada	257	4 622	479	5 137	7 111	17 747
B.C.	121	3 428	122	2 661	1 272	7 957
United States	2 810	1 372	701	3 129	3 562	12 463
Latin America	269	267	277	1 015	744	2 800
Japan	2	1	41	6	1 590	1 658
Rest of Asia	1 861	186	3 976	131	1 712	9 925
Scandinavia ¹	168	3 037	658	3 278	12 533	19 693
Rest of Europe	1 658	1 827	3 175	1 992	16 709	26 546
Oceania	626	128	117	252	277	1 422
Former USSR	946	1 041	226	448	551	3 225
World	9 291	12 522	9 806	1 5 685	44 878	97 054

Note: ¹ Sweden, Finland and Norway.

Source: Food and Agriculture Organization of the United Nations. Yearbook of Forest Products, 1980–1991.
Date: 1993

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
Date: 1992

TABLE A101 *World production and exports of softwood lumber, volume (000's m³) by region, 1989–1991 average.*
This table supports figure 7.15.

Country/Region	Production	Exports	Portion of production exported
Africa	2 375	206	9%
Canada	54 246	38 167	70%
B.C.	33 619	26 290	78%
United States	83 144	7 470	9%
Latin America	13 835	1 450	10%
Japan	26 198	3	-
Rest of Asia	24 857	623	3%
Scandinavia	20 856	11 704	56%
Rest of Europe	48 019	9 409	20%
Oceania	3 631	649	18%
Former USSR	82 100	6 214	8%
World	359 261	75 895	21%

Note: Production and export statistics reflect the use of nominal dimension measurement for lumber in North America. This causes the statistics for Canada, British Columbia, and the United States to be over stated by approximately 25% relative to production elsewhere in the world where lumber is measured on the basis of actual size.

Source: Food and Agriculture Organization of the United Nations. Yearbook of Forest Products, 1980–1991.
 Date: 1993

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1992

TABLE A102 *Destination of B.C. lumber shipments (millions of board feet).*
This table supports figure 7.16.

Year	Canada	U.S.A	U.K.	Other Europe	Japan	Other Asia	All Others	Total
1984	3 299	7 611	480	194	919	115	462	13 080
1985	4 020	8 161	308	144	922	108	416	14 078
1986	3 633	7 811	531	196	918	48	199	13 335
1987	3 985	9 216	737	324	1 331	41	311	15 946
1988	3 110	9 167	939	341	1 453	123	387	15 520
1989	3 023	8 902	799	302	1 670	70	477	15 243
1990	3 241	7 426	748	435	1 669	47	401	13 967
1991	3 038	7 285	531	347	1 904	80	332	13 517
1992	2 871	8 287	449	272	1 963	203	212	14 256
1993	2 406	8 925	110	197	2 271	260	212	14 380

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1994

TABLE A103 *World production and exports of plywood, volume average (000's m³) by region, 1989-1991.*
This table supports figure 7.17.

Country/Region	Production	Exports	Portion of production exported
Africa	703	49	7%
Canada	1 947	360	18%
B.C.	1632	262	16%
United States	18 590	1 440	8%
Latin America	1 860	365	20%
Japan	6 430	20	-
Rest of Asia	14 032	10 965	78%
Scandinavia	660	474	72%
Rest of Europe	2 583	1 134	44%
Oceania	202	25	13%
Former USSR	1 847	340	18%
World	48 854	15 172	31%

Source: Food and Agriculture Organization of the United Nations. Yearbook of Forest Products, 1980-1991.
 Date: 1993

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1992

TABLE A104 *Destination of B.C. plywood shipments, volume (million ft²; 3/8" basis) by region and year.*
This table supports figure 7.18.

Year	Canada	U.K.	Other E.C.	Japan	All Others	Total
1984	1 281	226	208	25	1 9	1 759
1985	1 396	243	179	22	27	1 867
1986	1 422	175	102	19	27	1 745
1987	1 838	164	86	41	14	2 143
1988	1 717	202	103	40	40	2 101
1989	1 716	183	88	52	27	2 065
1990	1 511	119	96	68	31	1 824
1991	1 400	80	71	60	15	1 624
1992	1 473	78	120	80	19	1 769
1993	1 420	43	109	109	41	1 721

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1994

TABLE A105 *World production and exports of wood pulp, weight (000's tonnes) by region, 1989-1991 average.*
This table supports figure 7.19.

Country/Region	Production	Exports	Portion of production exported
Africa	2 279	567	25%
Canada	23 245	8 300	36%
B.C.	6 765	3 809	56%
United States	57 446	5 593	10%
Latin America	6 756	1 695	25%
Japan	11 337	13	-
Rest of Asia	4 554	232	5%
Scandinavia	21 151	4 883	23%
Rest of Europe	15 587	3 125	20%
Oceania	2 314	654	28%
Former USSR	10 127	740	7%
World	154 797	25 803	17%

Source: Food and Agriculture Organization of the United Nations. Yearbook of Forest Products, 1980–1991.
 Date: 1993

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1992

TABLE A106 *Destination of B.C. chemical pulp shipments, weight (000's tonnes) by year.*
This table supports figure 7.20.

Year	Canada	U.S.A.	Western Europe	Japan	Other Asia	All Others	Total
1984	33	514	1 060	481	358	204	2 650
1985	58	574	1 163	543	544	211	3 093
1986	73	620	1 349	630	473	243	3 388
1987	98	670	1 462	749	638	268	3 885
1988	122	678	1 520	800	566	199	3 885
1989	108	626	1 513	821	453	164	3 685
1990	100	511	1 322	510	445	140	3 028
1991	73	518	1 526	499	698	165	3 479
1992	90	481	1 378	518	592	149	3 208
1993	107	502	1 413	592	599	240	3 453

Source: Canadian Pulp and Paper Association. Province of B.C. Pulp and Paper Production and Shipments
 Date: 1994

TABLE A107 *World production and exports of newsprint, weight (000's tonnes) by region, 1989–1991 average.*
This table supports figure 7.21.

Country/Region	Production	Exports	Portion of production exported
Africa	421	82	19%
Canada	9 241	8 489	92%
B.C.	1 650	1 453	88%
United States	5 910	626	11%
Latin America	1 028	173	17%
Japan	3 404	115	3%
Rest of Asia	1 690	84	5%
Scandinavia	4 440	3 687	83%
Rest of Europe	3 864	1 251	32%
Oceania	673	212	32%
Former USSR	1 710	299	17%
World	32 380	15 078	46%

Source: Food and Agriculture Organization of the United Nations. Yearbook of Forest Products, 1980–1991.
 Date: 1993

Source: Council of Forest Industries. B.C. Forest Industry Statistical Tables
 Date: 1992

TABLE A108 *Destination of B.C. newsprint shipments, weight (000's tonnes) by region and year.*
This table supports figure 7.22.

Year	Canada	U.S.A	Western Europe	Japan	Other Asia	All Others	Total
1984	143	892	18	8	81	117	1 259
1985	169	1 005	21	6	115	148	1 464
1986	188	1 024	19	25	99	148	1 503
1987	177	1 078	34	19	143	151	1 602
1988	194	1 068	31	18	142	168	1 621
1989	197	1 028	93	21	166	161	1 666
1990	210	1 127	80	19	176	142	1 754
1991	159	841	140	42	211	112	1 505
1992	156	828	125	114	268	101	1 592
1993	177	1 028	115	144	347	140	1 951

Source: Canadian Pulp and Paper Association. Province of B.C. Pulp and Paper Production and Shipments
 Date: 1994

TABLE A109 *Changes in international currencies compared to Canadian dollars, values by year.*
This table supports figure 7.23.

Currency	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
US\$/C\$	0.77	0.73	0.72	0.75	0.81	0.84	0.86	0.87	0.83	0.78
C\$/C\$	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Swedish Krona/C\$	6.46	6.11	5.07	4.71	5.02	5.45	5.07	5.28	4.82	6.03
Finnish Markka/C\$	4.69	4.39	3.6	3.25	3.44	3.62	3.28	3.53	3.71	4.41

Source: Resource Information Systems, Inc. Pulp and Paper Review
 Date: June 1985-June 1994 editions

TABLE A110 *North American lumber production, average variable costs (US\$/millions of board feet) by region and year.*

This table supports figure 7.24.

Region	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
US West Coast	215	184	166	172	192	231	269	247	254	371
US Inland	190	186	162	168	175	178	213	211	253	298
US South	176	163	163	172	182	192	205	203	217	241
B.C. Coast	247	229	228	250	300	290	311	370	364	350
B.C. Interior	141	134	120	128	162	174	188	191	202	199
Ontario	168	159	163	170	182	192	200	187	198	180
Quebec	170	168	156	141	158	167	180	203	215	158

Source: Resource Information Systems, Inc. Wood Products Review
Date: June 1985-June 1994 editions

TABLE A111 *Detailed costs of lumber production, costs (US\$/millions of board feet) by region and type, 1993.*

This table supports figure 7.25.

Production	Quebec	Ontario	B.C. Int	B.C. Coast	US South	US Inland	US West coast
Wood	148	147	144	253	213	231	342
Labour	48	56	49	79	41	74	49
Energy	7	12	6	7	10	7	7
Supplies	25	25	16	19	22	27	22
Gross variable cost	228	240	216	358	286	339	420
Residue income	83	78	25	42	57	46	57
Net variable cost	145	161	191	316	229	293	363
Gen. & Admin.	13	19	9	34	13	5	8
Total net variable cost	158	180	200	350	241	298	371

Source: Resource Information Systems, Inc. Wood Products Review
Date: June 1994

TABLE A112 *International softwood kraft pulp production, costs US\$ per tonne by region and year.*

This table supports figure 7.26.

Region	1984	1985	Total cost delivered to Northern Europe (US\$/tonne)							
			1986	1987	1988	1989	1990	1991	1992	1993
US South	443	436	405	416	446	467	489	510	520	510
US PNW	449	454	423	434	469	553	542	562	589	592
B.C. Coast	454	424	417	469	527	565	597	626	598	565
B.C. Interior	436	406	393	433	491	554	570	570	542	517
Eastern Canada	434	421	405	431	490	549	567	604	584	548
Sweden	348	380	456	533	565	566	661	656	659	460
Finland	392	418	486	577	608	614	709	693	604	455
Chile	408	375	356	377	402	411	434	453	504	456
Scandinavia	370	399	471	555	587	590	685	675	632	458
US	446	445	414	425	458	510	516	536	555	551

Source: Resource Information Systems, Inc. Pulp and Paper Review
Date: June 1985-June 1994 editions

TABLE A113 *Detailed costs of softwood kraft pulp production, costs US\$ per tonne by region, 1993.*
This table supports figures 7.27a and 7.27b.

Production	US South	US PNW	B.C. Coast	B.C. Interior	Eastern Canada	Sweden	Finland	Chile
Wood	147	209	142	119	181	207	211	126
Energy	19	36	25	21	21	7	2	10
Chemicals	53	43	45	49	48	36	36	46
Labour	40	47	71	55	56	36	31	22
Other Materials	49	49	55	57	43	33	17	30
Transportation (N.E.)	65	72	58	81	59	29	32	61
By-product revenue ¹	(8)	(2)	(1)	(1)	(2)	(7)	(4)	(7)
Average variable cost	365	454	395	381	406	341	325	288
Overhead	38	44	61	52	49	35	31	31
Depreciation	62	55	53	41	45	37	43	84
Interest	45	40	56	43	48	47	56	52
Average total cost	510	592	565	517	548	460	455	456

Note: ¹ Revenue from sales of chemical by-products such as turpentine or tannin oils.

Source: Resource Information Systems, Inc. Pulp and Paper Review
 Date: June 1985-June 1994 editions

TABLE A114 *International newsprint production, costs US\$ per tonne by region and year.*
This table supports figure 7.28.

Region	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
US South	443	440	425	457	473	490	479	490	474	479
US PNW	454	447	442	451	471	489	493	523	525	517
Eastern Canada	435	427	421	448	497	536	563	597	564	527
Western Canada	427	416	417	457	507	550	573	586	583	546
Sweden	365	392	460	522	559	576	650	622	637	482
Finland	405	425	485	577	614	640	686	660	595	477

Note: Total Costs (US and Canada, delivered U.S.; Sweden and Finland delivered W. Europe).

Source: Resource Information Systems, Inc. Pulp and Paper Review
 Date: June 1985-June 1994 editions

TABLE A115 *Detailed costs of newsprint production, costs US\$ per tonne by region, 1993.*
This table supports figure 7.29a and 7.29b.

Production	US South	US Northwest	Eastern Canada	Western Canada	Sweden	Finland
Wood	63	55	88	75	88	91
Purchased Pulp	9	17	10	5	19	36
Wastepaper	8	37	10	7	5	5
Energy	73	77	73	76	67	75
Labour	77	67	97	75	59	45
Chemicals	31	34	15	20	10	3
Other	70	57	45	61	51	35
Transportation ¹	28	48	63	82	64	58
Average variable cost	359	392	401	402	364	347
Overhead	42	30	39	37	28	34
Depreciation	36	43	46	55	44	48
Interest	43	52	41	52	46	48
Average total cost	479	517	527	546	482	477

Note: ¹ US and Canada delivered to US, Sweden and Finland delivered to Western Europe.

Source: Resource Information Systems, Inc. Pulp and Paper Review
 Date: June 1994

TABLE A116 *Forecasts of world demand for lumber, % increase by survey, date and period of forecast.*
This table supports figure 7.30.

Forecast	Date of forecast	Period of forecast	Annual growth rate
FAO (world)	1993	1990-2010	2.1%
FAO (North America)	1993	1990-2010	1.2%
Simons (world)	1993	1990-2020	1.2%
Simons (softwood only)	1994	1990-2020	0.9%
RISI (Softwood, Nor. Am)	1994	1994-2008	0.5%

Source: Food and Agriculture Organization of the United Nations Forestry Statistics Today for Tomorrow. Rome.
 Date: 1993

Source: Simons Consulting Group. Global Timber Supply and Demand to 2020.
 Date: August 1994

Source: Resource Information Systems, Inc. Wood Products Review
 Date: June 1994

TABLE A117 *Forecasts of demand for wood-based panels, % increase by survey, date and period of forecast.*
This table supports figure 7.31.

Forecast	Date of forecast	Period of forecast	Annual growth rate
FAO	1993	1990-2010	4.7%
Simons	1994	1990-2020	3.0%
RISI (Nor. Am. only)	1993	1995-2005	2.8%

Source: Food and Agriculture Organization of the United Nations Forestry Statistics Today for Tomorrow. Rome.
 Date: 1993

Source: Simons Consulting Group. Global Timber Supply and Demand to 2020.
 Date: August 1994

Source: Resource Information Systems, Inc. Wood Products Review
 Date: June 1994

TABLE A118 *Forecasts of world demand for paper and paperboard, % increase by survey, date and period of forecast.*
This table supports figure 7.32.

Forecast	Date of forecast	Period of forecast	Annual growth rate
FAO	1993	1991-2010	3.2%
Jaakko Pöyry	1992	1990-2005	2.5%
NLK	1992	1990-2010	2.5%
Simons	1994	1990-2020	2.6%

Source: Food and Agriculture Organization of the United Nations Forestry Statistics Today for Tomorrow. Rome.
 Date: 1993

Source: Jaakko Pöyry. World Paper Markets up to 2005.
 Date: June 1992

Source: NLK Consultants Inc. The Pulp and Paper Sector in B.C.
 Date: 1992

Source: Resource Information Systems, Inc. Wood Products Review
 Date: June 1994

TABLE A119 *Forecasts of demand for newsprint, % increase by survey, date and period of forecast.*
This table supports figure 7.33.

Forecast	Date of forecast	Period of forecast	Annual growth rate
Jaakko Pöyry	1992	1990-2005	2.0%
NLK	1992	1990-2010	2.3%
RISI	1994	1993-2009	3.1%
Jaakko Pöyry (Nor. Am.)	1992	1990-2005	1.1%
RISI (Nor. Am only)	1994	1992-2008	0.9%

Source: Food and Agriculture Organization of the United Nations Forestry Statistics Today for Tomorrow. Rome.

Date: 1993

Source: Jaakko Poyry. World Paper Markets up to 2005.

Date: June 1992

Source: NLK Consultants Inc. The Pulp and Paper Sector in B.C.

Date: 1992

Source: Resource Information Systems, Inc. Wood Products Review

Date: June 1994

TABLE A120 *Summary of industrial roundwood demand to 2020, annual volume (million m³ per year) by product and year.*
This table supports figure 7.34.

Year	Sawlogs & veneer logs			Pulpwood			Other Industrial ¹			Total		
	S-wood	H-wood	Total	S-wood	H-wood	Total	S-wood	H-wood	Total	S-wood	H-wood	Total
1979-81 avg.	613	258	871	225	112	367	122	81	203	990	451	1 441
1989-91 avg.	710	283	993	292	142	434	133	101	234	1 135	526	1 661
2000	785	335	1 120	303	187	490	140	130	270	1 228	652	1 880
2010	820	360	1 180	397	246	643	145	165	310	1 362	771	2 133
2020	835	430	1 265	558	373	931	145	210	355	1 538	1 013	2 551
1990-2020 growth rate	0.6	1.4	0.8	2.2	3.3	2.6	0.3	3	1.4	1	2.2	1.4

Note: S-wood – softwood.

H-wood – hardwood.

¹ Other industrial roundwood is defined as wood used for tanning, distillation, match blocks, poles, pilings, pitprops, etc.

Source: Simons Consulting Group. Global Timber Supply and Demand to 2020

Date: August 1994

TABLE A121 *Forecast of global supply of industrial roundwood, annual volume (million m³ year) by region and year.*
This table supports figures 7.35a and 7.35b.

Region	Total softwood			Total hardwood		
	2000	2010	2020	2000	2010	2020
South Africa	4	4	4	42	42	42
Other Africa	10	11	13	12	14	14
Asia	100	130	130	153	165	170
Latin America	80	90	95	78	90	92
Canada	166	170	174	36	50	55
CIS - Russia	270	310	325	55	75	85
United States	289	289	317	143	140	155
Europe	371	385	364	140	150	170
Oceania	29	33	35	16	18	20
Total	1 319	1 422	1 457	674	744	803
	All roundwood					
Total	1 993	2 165	2 260			

Source: Simons Consulting Group. Global Timber Supply and Demand to 2020

Date: August 1994

TABLE A122 *Global outlook—roundwood supply/demand balance (million m³ year).*
This table supports figure 7.36.

Product	2000			2010			2020		
	Softwood	Hardwood	Total	Softwood	Hardwood	Total	Softwood	Hardwood	Total
Sawlogs and veneer logs									
Supply	803	278	1081	839	284	1 123	827	307	1 134
Demand	785	335	1120	820	360	1 180	835	430	1 265
Balance	18	(57)	(39)	19	(76)	(57)	(8)	(123)	(131)
Pulpwood									
Supply	376	259	635	402	282	684	412	309	721
Demand	302	187	489	397	258	655	558	373	931
Balance	74	72	146	5	24	29	(146)	(64)	(210)
Other industrial roundwood									
Supply	140	137	277	181	178	359	217	188	405
Demand	140	130	270	145	165	310	145	210	355
Balance	0	7	7	36	13	49	72	(22)	50
Total roundwood									
Supply	1 319	674	1 993	1 422	744	2 166	1 456	804	2 260
Demand	1 227	652	1 879	1 362	783	2 145	1 538	1013	2 551
Balance	92	22	114	60	(39)	21	(82)	(209)	(291)

Source: Simons Consulting Group. Global Timber Supply and Demand to 2020
Date: August 1994

TABLE A123 *Distribution of B.C. beef cow herd, number of head by forest region, 1991.*
This table supports figure 7.37.

Forest region	1991 beef cow herd numbers	1991 % B.C. herd	1986 % B.C. herd
Cariboo forest region	50 740	20.9%	22.5%
Kamloops forest region	72 702	30.0%	34.0%
Nelson forest region	22 364	9.2%	9.6%
Pr. George forest region	69 684	28.7%	23.3%
Pr. Rupert forest region	11 010	4.5%	3.9%
Vancouver forest region	16 242	6.7%	6.7%
Total	242 742	100.0%	100.0%

Source: Statistics Canada, Agriculture Division. Agricultural Profile of British Columbia. Catalogue No. 95-393. Data for forest regions approximated using Census subdivision data based on 1986 subdivision proportions.
Date: 1992

TABLE A124 *Crown forage use, actual and authorized, AUMs by year.*
This table supports figure 7.38.

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Authorized Use	997 649	1 009 799	993 159	987 704	978 580	974 415	989 304	998 039	984 013	986 952
Actual Use	930 920	929 237	892 233	889 507	901 042	911 215	926 126	942 203	950 432	981 851

Source: B.C. Ministry of Forests, Annual Reports

TABLE A125 *Size of beef cow herd, number of head by year.*
This table supports figure 7.39.

Year July 1 (actual)	Head (000's)
1976	208
1977	217
1978	219
1979	222
1980	230
1981	234
1982	242
1983	237
1984	238
1985	235
1986	214
1987	220
1988	227
1989	237
1990	237
1991	243
1992	254
1993	258

Source: Statistics Canada, Agriculture Division. Periodical. Livestock Statistics. Catalogue 23-603E

TABLE A126 *Horses using Crown forage, number by forest region, 1991.*
This table supports figure 7.40.

Forest Region	Horses
Cariboo	1 746
Kamloops	344
Nelson	687
Pr. George	3 065
Pr. Rupert	1 202
Vancouver	38
Total	7 082

Source: KenAgra Management Services Ltd. British Columbia Range Fee: A Technical Impact Study. Appendix E
 Date: 1992

TABLE A127 *Sheep using Crown forage, number by forest region, 1991.*
This table supports figure 7.41.

Forest region	Total number of sheep	Number of sheep using Crown forage
Cariboo	3 177	2 403
Kamloops	6 985	5 248
Nelson	770	1 253
Pr. George	8 637	5 487
Pr. Rupert	935	195
Vancouver	15 572	900
Total	36 076	1 5 486

Source: Statistics Canada, Agriculture Division. Agricultural Profile of British Columbia. Catalogue No. 95-393.
 Data for forest regions approximated using census subdivision data based on 1986 subdivision proportions.
 Date: 1992

Source: KenAgra Management Services Ltd. British Columbia Range Fee: Technical Impact Study. Appendix E
 Date: 1992

TABLE A128 *Ungulate animal units (AUs) by forest region, 1991.*
This table supports figure 7.42.

Forest region	Total wildlife
Cariboo forest region	23 634
Kamloops forest region	18 264
Nelson forest region	26 486
Pr. George forest region	47 880
Pr. Rupert forest region	83 965
Vancouver forest region	16 718
Total B.C.	216 945

Source: B.C. Ministry of Environment, Wildlife Branch
 "British Columbia Big Game Species Regional Population Estimates—August 1990."
 Date: 1991

Source: B.C. Ministry of Forests and Ministry of Environment. Procedures for Habitat Monitoring. Appendix E.
 Animal Unit (AU) Equivalents for Selected Domestic and Wild Ungulates. Draft Version 4.1

TABLE A129 *Recreational Horseback use in provincial forests by B.C. residents, recreation-activity days by forest region, 1989.*
This table supports figure 7.43.

Forest region	Use
Cariboo	77 000
Kamloops	55 000
Nelson	45 000
Pr. George	14 000
Pr. Rupert	12 000
Vancouver	413 000
Total	616 000

Source: B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90. Technical Report
 Date: October 1991

TABLE A130 *Comparison of wildlife grazing to livestock grazing, AUMs by region, 1991.*
This table supports figure 7.44.

Forest region	Total annual wildlife AUMs	Total grazing season livestock AUMs
Cariboo forest region	283 602	487 436
Kamloops forest region	219 168	910 743
Nelson forest region	317 826	160 300
Pr. George forest region	574 559	625 401
Pr. Rupert forest region	1 007 577	100 489
Vancouver forest region	200 611	415 660
Total B.C.	2 603 342	2 700 028

Source: B.C. Ministry of Environment, Wildlife Branch. "British Columbia Big Game Species Regional Population Estimates —August 1990."
 Date: 1991

Source: B.C. Ministry of Forests and Ministry of Environment. Procedures for Habitat Monitoring. Appendix E.
 Animal Unit (AU) Equivalents for Selected Domestic and Wild Ungulates. Draft Version 4.1.

Source: Talisman Land Resource Consultants. Supply and Demand for Crown Range in B.C. Draft Report
 Date: 1994

TABLE A131 *Estimated demand for Crown forage, livestock AUMs by forest region, 1993.*
This table supports figure 7.45.

Forest region	Estimated 1993 demand all sources except wildlife	Estimated ¹ 1993 demand by wildlife	Estimated 1993 total demand
Cariboo	377 000	207 000	584 000
Kamloops	396 000	91 000	487 000
Nelson	91 000	171 000	262 000
Pr. George	154 000	77 000	231 000
Pr. Rupert	30 000	15 000	45 000
Vancouver	2 000	1 000	3 000
Total	1 050 000	562 000	1 612 000

Note: ¹ Estimated 1993 wildlife use is used as a proxy for "Demand by Wildlife."

Source: Talisman Land Resource Consultants. Supply and Demand for Crown Range in B.C. Draft Report
 Date: 1994

TABLE A132 *Trends in average hay yields on private land (tons/acre), weight by year.*
This table supports figure 7.46.

Year	B.C. average yield	Year	B.C. average yield
1962	2.34	1980	3.02
1963	2.08	1981	2.79
1964	2.37	1982	2.50
1965	2.18	1983	2.73
1966	2.53	1984	2.57
1967	2.44	1985	2.60
1968	2.56	1986	2.41
1969	2.70	1987	2.62
1970	2.60	1988	3.06
1971	3.04	1989	2.68
1972	2.63	1990	2.76
1973	2.41	1991	2.20
1974	2.56		
1975	2.50		
1976	2.77		
1977	2.84		
1978	2.84		
1979	2.91		

Source: B.C. Ministry of Agriculture. Annual Handbook of Agricultural Statistics. Statistics Canada, Agriculture Division. Unpublished data

TABLE A133 *Estimated supply of Crown range, AUMs by forest region, 1993.*
This table supports figure 7.47.

Forest region	Estimated total supply
Cariboo	362 000
Kamloops	376 000
Nelson	88 000
Pr. George	154 000
Pr. Rupert	31 000
Vancouver	2 000
Total	1 013 000

Source: Talisman Land Resource Consultants. Supply and Demand for Crown Range in B.C. Draft Report
 Date: 1994

TABLE A134 *Annual economic value of outdoor recreation in provincial forests, 1993 (millions of 1993 CA\$).*
This table supports figure 7.50.

Economic value	B.C. residents	Non-residents	Total
Expenditures	(A) 2096	(C) 288	(A+C) 2384
Net use value	570	144	714
Net non-use value (Preservation value)	153	NA	153
Total net economic value	(B) 723	144	867
Gross economic value	(A+B) 2819	(C) 288	(A+B+C) 3107

Source: B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90.
 Date: 1991

Source: Campbell Goodell Consultants. Visitor '89 Wildlife Viewing and Forest Recreation (by Non-residents).
 Prepared for B.C. Ministry of Forests, Recreation Branch
 Date: 1990

TABLE A135 *Annual economic values of outdoor recreation in provincial forests, 1993 (millions of 1993 CA\$).*
This table supports figure 7.51.

Economic value	Cariboo	Kamloops	Nelson	Pr. George	Pr. Rupert	Vancouver	Total
Expenditures	137	410	281	160	137	1260	2384
Net use values	38	120	90	47	38	381	714
Net non-use values	9	28	17	11	9	79	153
Total net economic value	47	148	107	58	47	460	867
Gross economic value	178	541	362	211	178	1 637	3 107

Source: B.C. Ministry of Forests, Recreation Branch. Outdoor Recreation Survey 1989/90.
 Date: 1991

Source: Campbell Goodell Consultants. Visitor '89 Wildlife Viewing and Forest Recreation (by Non-residents). Prepared for B.C. Ministry of Forests,
 Recreation Branch
 Date: 1990

TABLE A136 *Annual economic value of wilderness recreation in B.C., 1993^a (millions of 1993 CA\$).*
This table supports figure 7.52.

Economic value	B.C. residents¹	Non-residents²	Total
Actual expenditures	550	55	605
Net economic value	310	27	337
Gross economic value	860	55	915

Note: ^a includes use in both designated and non-designated wilderness.

Source: Reid, R. and M. Stone. Economic value of wilderness protection in B.C. Paper presented at "Forestry and Environment: Economic Perspectives II" conference, Banff, Alberta.

Date: 1994

Source: ¹ B.C. Ministry of Forests and B.C. Ministry of Environment Lands and Parks. Wilderness issues in B.C.: preliminary results of a 1993 province-wide survey of B.C. households.

Date: 1994

Source: ² Tourism Research Group, B.C. Research Corporation and Campbell, Goodell and Associates. Visitor '89, a travel survey of visitors to British Columbia. B.C. Ministry of Tourism, Victoria, B.C.

Date: 1990

TABLE A137 *Annual economic value of outdoor recreation on Crown land in B.C., 1993 (millions of 1993 CA\$).*
This table supports figure 7.53.

Economic value	B.C. residents	Non-residents	Total
Expenditures	3 130	780	3 910
Net use values	850	390	1 240
Net non-use values	230	NA	230
Net economic value	1 080	390	1 470
Gross economic value	4 210	780	4 990

Source: Extrapolated from previous tables (using forest outdoor recreation expenditures in Table A134 and outdoor recreation use estimates in Table A82)

TABLE A138 *Annual economic value of Outdoor recreation and wilderness recreation on Crown land in 1993*
(millions of 1993 CA\$).
This table supports figure 7.54.

Economic value	Outdoor recreation	Wilderness	Wilderness as % of outdoor recreation
Expenditures	3 910	605	15%
Net economic value	1 240	337	27%
Gross economic value	4 760	915	19%

Source: From Tables A 136 and A137

TABLE B1 *Classification of forest land bases, Kalum South, 1994.*
This table supports figures B2 and B3.

Classification	Area (ha)	% of Total Area	% of productive forest area ^a
Total area on inventory file	549 762	100	
Not managed by B.C. Forest Service	46 189	8.4	
Non-forest	304123	55.3	
Total productive forest managed by Forest Service	199 450	36.3	
Reductions to Crown forest:			
Non-commercial cover (brush)	511	0.1	0.2
Inoperable	71 932	13.1	35.6
Aspen, birch, alder	5 249	1	2.6
Non-merchantable (low volume)	5 186	0.9	2.6
Low productivity	622	0.1	0.3
Existing roads	4 010	0.7	2
Integrated management			
Environmentally sensitive	8 157	1.5	4
Streamside buffers/old growth	2 306	0.4	1.1
Total current reductions ^b	- 97 973	17.8	48.5
Initial timber harvesting land base (includes 7 978 hectares not satisfactorily restocked* land ^c)	101 477	18.5	50.3
Additions:			
Timber licences ^d	+ 2 401	0.4	1.2
Total current timber harvesting land base	103 878	18.9	51.5
Future reductions:			
Future roads	- 4 742	0.9	2.3
Long-term timber harvesting land base	99 136	18	49.2

Note: a For these percentages, productive forest area includes the 2401 hectares of timber licences in the harvesting land base.

b Reductions were performed in the following order:

- 1) Not managed by Forest Service;
- 2) Non-forest;
- 3) Inoperable;
- 4) Environmentally sensitive;
- 5) Deciduous types;
- 6) Non-merchantable;
- 7) Low site;
- 8) Existing roads;
- 9) Streamside buffers and old-growth

c NSR includes: current NSR; backlog NSR; NSR due to natural disturbances; and some spruce plantations that have been damaged by the spruce leader weevil.

d Timber licences revert to Forest Service management after existing mature timber is harvested.

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis

Date: 1994

TABLE B2 Age distributions for before decades 1, 6, 11, 16, 21, and 26, (years 0, 50, 100, 150, 200, 250), Kalum South.

This table supports figures B4 and B8a through B8f.

Age	Roads	Decade 1 (initial)		Age class	Area (ha)
		NSR			
0	8 823	0		0	8 823
10	4 773	0		1-20	23 691
20	18 918	0		21-40	11 581
30	9 232	0		41-60	1 361
40	2 349	0		61-80	5 038
50	775	16		81-100	2 550
60	586	331		101-120	4 215
70	2 678	781		121-140	1 029
80	2 360	732		141-160	780
90	1 303	1 024		161-180	743
100	1 247	1 213		181-200	702
110	1 968	1 968		201-220	3 884
120	2 247	2 247		221-240	2 307
130	585	585		241-260	2 223
140	444	444		261-280	2 184
150	336	336		281-300	2 218
160	444	444		300+	30 464
170	384	384			103 793
180	359	359			
190	397	397			
200	305	305			
210	2 448	2 448			
220	1 436	1 436			
230	1 425	1 425			
240	882	882			
250	803	803			
260	1 420	1 420			
270	672	672			
280	1 512	1 512			
290	1 297	1 297			
300	921	921			
310	21 589	21 589			
320	5 275	5 275			
330	887	887			
340	0	0			
350	33	33			
360	127	127			
370	42	42			
380	68	68			
390	137	137			
400	0	0			
410	2 306	0			
Total	103 794	(no Tls) (410 area plus 2 306 for buffers-and old growth)			

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis

Date: 1994

TABLE B2 (Continued) Decade 6

Age	Roads	Decade 6 (50 years)		Age class	Area (ha)
		NSR			
0	3 946	0		0	3 946
10	6 798	0		1-20	13 221
20	6 423	0		21-40	18 200
30	6 951	0		41-60	15 020
40	11 249	50		61-80	27 493
50	10 242	200		81-100	3 124
60	4 778	46		101-120	3 264
70	18 418	2 688		121-140	3 663
80	9 075	1 797		141-160	3 215
90	2 349	2 219		161-180	2 832
100	775	730		181-200	780
110	586	586		201-220	828
120	2 678	2 678		221-240	697
130	2 360	2 360		241-260	1 537
140	1 303	1 303		261-280	661
150	1 247	1 247		281-300	249
160	1 968	1 968		300+	4 530
170	2 247	2 247			103 260
180	585	585			
190	444	444			
200	336	336			
210	444	444			
220	384	384			
230	359	359			
240	338	338			
250	165	165			
260	1 372	1 372			
270	415	415			
280	246	246			
290	62	62			
300	187	187			
310	246	246			
320	50	50			
330	157	157			
340	322	322			
350	201	201			
360	1 127	1 127			
370	121	121			
380	0	0			
390	0	0			
400	0	0			
410	2 306	0			
Total	103 260	(less 2933 ha roads, incl TLs)			
		(410 area plus 2306 for buffers and old growth)			

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis

Date: 1994

TABLE B2 (Continued) Decade 11

Age	Roads	Decade 11 (100 years)		Age class	Area (ha)
		NSR			
0	2 884	0		0	2 884
10	5 423	0		1-20	11 879
20	6 456	0		21-40	15 837
30	7 481	0		41-60	14 899
40	8 356	178		61-80	13 341
50	8 105	184		81-100	21 120
60	6 794	16		101-120	12 558
70	6 437	151		121-140	2 826
80	6 904	350		141-160	330
90	11 081	1 407		161-180	790
100	10 039	2 355		181-200	698
110	4 605	4 303		201-220	749
120	7 953	5 785		221-240	247
130	2 533	2 265		241-260	285
140	293	293		261-280	212
150	233	233		281-300	39
160	97	97		300+	3 073
170	634	634			101 767
180	156	156			
190	334	334			
200	364	364			
210	626	626			
220	123	123			
230	95	95			
240	152	152			
250	120	120			
260	165	165			
270	131	131			
280	81	81			
290	32	32			
300	7	7			
310	63	63			
320	129	129			
330	15	15			
340	6	6			
350	8	8			
360	55	55			
370	12	12			
380	56	56			
390	106	106			
400	43	43			
410	2 580	274			
Total	101 767	(less 4426 ha roads, incl TLs)			
		410 area plus 2306 for buffers and old growth)			

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis

Date: 1994

TABLE B2 (Continued) Decade 16

Age	Decade 16 (150 years)		Age class	Area (ha)
	Roads	NSR		
0	4 149	0	0	4 149
10	8 656	0	1-20	16 493
20	7 837	0	21-40	12 052
30	6 251	0	41-60	11 125
40	5 801	0	61-80	12 068
50	5 792	0	81-100	11 087
60	5 333	54	101-120	11 983
70	6 185	477	121-140	11 301
80	5 883	1 020	141-160	4 621
90	4 825	944	161-180	1 925
100	6 262	944	181-200	91
110	6 682	539	201-220	382
120	5 301	558	221-240	322
130	4 800	79	241-260	800
140	6 501	4 469	261-280	142
150	4 267	4 267	281-300	113
160	354	354	300+	2 958
170	1 103	1 103		101 612
180	822	822		
190	58	58		
200	33	33		
210	12	12		
220	370	370		
230	51	5		
240	271	271		
250	298	298		
260	502	502		
270	82	82		
280	60	60		
290	75	75		
300	38	38		
310	125	125		
320	72	72		
330	39	39		
340	5	5		
350	0	0		
360	63	63		
370	61	61		
380	0	0		
390	0	0		
400	0	0		
410	2 593	287		
Total	101 612	(less 4579 ha roads) (410 area plus 2306 for buffers and old growth)		

Source: B.C. Ministry of Forests, Resource Management Branch, Kalum South Timber Supply Analysis
Date: 1994

TABLE B2 (Continued) Decade 21

Age	Decade 21 (200 years)		Age class	Area (ha)
	Roads	NSR		
0	4 163	0	0	4 163
10	8 460	0	1-20	16 713
20	8 253	0	21-40	18 770
30	9 170	0	41-60	16 935
40	9 600	90	61-80	14 239
50	8 085	155	81-100	11 017
60	8 850	753	101-120	7 495
70	8 002	1 461	121-140	3 902
80	6 237	1 046	141-160	2 378
90	5 622	2 596	161-180	1 125
100	5 395	4 681	181-200	1 115
110	4 725	4 272	201-220	96
120	2 770	2 115	221-240	199
130	2 011	1 092	241-260	45
140	1 891	1 492	261-280	421
150	1 293	1 293	281-300	225
160	1 085	1 085	300+	2 665
170	771	771		101 503
180	354	354		
190	539	539		
200	576	576		
210	68	68		
220	28	28		
230	141	141		
240	58	58		
250	33	33		
260	12	12		
270	370	370		
280	51	51		
290	191	191		
300	34	34		
310	17	17		
320	0	0		
330	0	0		
340	0	0		
350	0	0		
360	5	5		
370	0	0		
380	0	0		
390	0	0		
400	0	0		
410	2 643	337		
Total	101 503	(less 4691 ha roads, incl TLs) (410 area plus 2306 for buffers and old growth)		

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
Date: 1994

TABLE B2 (Continued) Decade 26

Age	Decade 26 (250 years)		Age class	Area (ha)
	Roads	NSR		
0	3 034	0	0	3 034
10	5 878	0	1-20	11 537
20	5 659	0	21-40	11 874
30	5 680	0	41-60	15 610
40	6 194	13	61-80	17 299
50	7 124	17	81-100	17 381
60	8 486	11	1 01 -120	13 790
70	8 232	386	121-140	3 312
80	9 067	958	141-160	946
90	9 385	902	161-180	924
100	7 996	2 082	181-200	1 261
110	8 110	5 345	201-220	1 081
120	5 680	4 817	221-240	133
130	2 138	1 653	241-260	77
140	1 174	1 045	261-280	169
150	483	483	281-300	91
160	463	463	300+	2 955
170	440	440		101 474
180	484	484		
190	566	566		
200	695	695		
210	810	810		
220	271	271		
230	36	36		
240	97	97		
250	74	74		
260	3	3		
270	28	28		
280	141	141		
290	58	58		
300	33	33		
310	12	12		
320	242	242		
330	0	0		
340	2	2		
350	34	34		
360	17	17		
370	0	0		
380	0	0		
390	0	0		
400	0	0		
410	2 648	342		
Total	101 474	(less 4719 ha roads, incl TLs) (410 area plus 2306 for buffers and old growth)		

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
Date: 1994

TABLE B3 *Major forest management emphases, Kalum South, 1994. (% of area).*
This table supports figure B5.

Management	Percent
Watersheds/recreation	2.6%
Modification VQOs	20.9%
Partial retention VQOs	8.6%
Retention/preservation VQOs	2.2%
Integrated resource management	65.7%
Total	100%

Note: Total timber harvesting land base (103 878 ha).

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
 Date: 1994

TABLE B4 *Base case harvest forecast, Kalum South, 1994. Volume (000's m³) by decade.*
This table supports figure B6.

Decade	Base case	Including USL	Current AAC	FSSIM output		
					Base case	
0	464.0000	473.5000	480	1	4 735 000	7 927
1	464.0000	473.5000	480	2	4 275 000	7 507
1.0001	418.0000	427.5000	480	3	4 095 000	7 444
2	418.0000	427.5000	480	4	4 095 000	7 952
2.0001	400.0000	409.5000		5	4 095 000	7 638
3	400.0000	409.5000		6	4 095 000	8 686
3.0001	400.0000	409.5000		7	4 095 000	8 870
4	400.0000	409.5000		8	4 095 000	7 476
4.0001	400.0000	409.5000		9	4 095 000	5 574
5	400.0000	409.5000		10	4 095 000	5 958
5.0001	400.0000	409.5000		11	4 095 000	6 062
6	400.0000	409.5000		12	4 095 000	6 905
6.0001	400.0000	409.5000		13	4 095 000	6 399
7	400.0000	409.5000		14	4 095 000	8 888
7.0001	400.0000	409.5000		15	4 039 525	9 104
8	400.0000	409.5000		16	4 095 000	9 947
8.0001	400.0000	409.5000		17	4 095 000	9 200
9	400.0000	409.5000		18	4 095 000	8 451
9.0001	400.0000	409.5000		19	4 095 000	9 024
10	400.0000	409.5000		20	4 095 000	8 618
10.0001	400.0000	409.5000		21	4 095 000	6 442
11	400.0000	409.5000		22	4 095 000	6 128
11.0001	400.0000	409.5000		23	4 095 000	5 428
12	400.0000	409.5000		24	4 095 000	5 768
12.0001	400.0000	409.5000		25	4 095 000	6 221
13	400.0000	409.5000		26	4 095 000	8 661
13.0001	400.0000	409.5000		27	4 095 000	7 513
14	400.0000	409.5000		28	4 095 000	7 983
14.0001	394.4525	403.9525		29	4 095 000	8 644
15	394.4525	403.9525		30	4 034 070	6 012
15.0001	400.0000	409.5000		31	4 095 000	9 362
16	400.0000	409.5000		32	4 095 000	8 708
16.0001	400.0000	409.5000		33	4 095 000	8 330
17	400.0000	409.5000		34	4 095 000	8 932
17.0001	400.0000	409.5000		35	4 095 000	9 003
18	400.0000	409.5000		36	4 095 000	6 870
18.0001	400.0000	409.5000		37	4 095 000	7 647
19	400.0000	409.5000		38	4 095 000	6 622
19.0001	400.0000	409.5000		39	4 095 000	7 654
20	400.0000	409.5000		40	4 095 000	6 861
20.0001	400.0000	409.5000				
21	400.0000	409.5000				
21.0001	400.0000	409.5000				
22	400.0000	409.5000				
22.0001	400.0000	409.5000				
23	400.0000	409.5000				
23.0001	400.0000	409.5000				
24	400.0000	409.5000				
24.0001	400.0000	409.5000				
25	400.0000	409.5000				

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
Date: 1994

TABLE B5 *Changes in timber growing stock over time, Kalum South base case, 1994. Volume (000's m³) by decade. This table supports figure B7.*

Time	Total	Merch	Avail	Time	Total	Merch	Avail
0	28.040088	26.923098	26.22411	0	28 040 088	26 923 098	26 224 110
1	25.192728	23.3808	22.677367	1	25 192 728	23 380 800	22 677 367
2	23.843227	20.30301	19.598787	2	23 843 227	20 303 010	19 598 787
3	23.322824	17.165614	16.46612	3	23 322 824	17 165 614	16 466 120
4	23.246727	14.259669	13.556334	4	23 246 727	14 259 669	13 556 334
5	23.185098	12.735583	12.036034	5	23 185 098	12 735 583	12 036 034
6	23.169336	12.509591	11.81668	6	23 169 336	12 509 591	11 816 680
7	22.848382	15.009235	14.29488	7	22 848 382	15 009 235	14 294 880
8	22.320635	16.403386	15.677356	8	22 320 635	16 403 386	15 677 356
9	21.736612	15.000071	14.260443	9	21 736 612	15 000 071	14 260 443
10	21.255838	14.306326	13.540831	10	21 255 838	14 306 326	13 540 831
11	21.202988	11.904377	11.078671	11	21 202 988	11 904 377	11 078 671
12	21.606334	9.931675	9.146214	12	21 606 334	9 931 675	9 146 214
13	21.958656	8.326536	7.504099	13	21 958 656	8 326 536	7 504 099
14	22.300812	7.829295	6.994561	14	22 300 812	7 829 295	6 994 561
15	22.52277	8.813246	8.1293	15	22 522 770	8 813 246	8 129 300
16	22.605013	10.08287	9.445403	16	22 605 013	10 082 870	9 445 403
17	22.700669	11.338122	10.691805	17	22 700 669	11 338 122	10 691 805
18	22.703222	12.338018	11.694318	18	22 703 222	12 338 018	11 694 318
19	22.579258	14.183851	13.537169	19	22 579 258	14 183 851	13 537 169
20	22.506386	14.820651	14.147461	20	22 506 386	14 820 651	14 147 461
21	22.249823	15.034491	14.334546	21	22 249 823	15 034 491	14 334 546
22	22.115831	15.171865	14.442945	22	22 115 831	15 171 865	14 442 945
23	21.905558	13.427933	12.672418	23	21 905 558	13 427 933	12 672 418
24	21.709621	11.871195	11.091276	24	21 709 621	11 871 195	11 091 276
25	21.61959	11.414308	10.612618	25	21 619 590	11 414 308	10 612 618
26	21.622842	10.739561	9.972657	26	21 622 842	10 739 561	9 972 657
27	21.87649	10.883405	10.123645	27	21 876 490	10 883 405	10 123 645
28	22.316527	10.949179	10.120122	28	22 316 527	10 949 179	10 120 122
29	22.580703	8.889494	8.044438	29	22 580 703	8 889 494	8 044 438
30	22.848251	10.594268	9.878911	30	22 848 251	10 594 268	9 878 911
31	22.850876	11.43734	10.771692	31	22 850 876	11 437 340	10 771 692
32	22.860584	12.186686	11.515858	32	22 860 584	12 186 686	11 515 858
33	22.832076	13.744429	13.083966	33	22 832 076	13 744 429	13 083 966
34	22.615649	14.998914	14.342175	34	22 615 649	14 998 914	14 342 175
35	22.314388	13.597188	12.918436	35	22 314 388	13 597 188	12 918 436
36	22.213025	11.574692	10.868029	36	22 213 025	11 574 692	10 868 029
37	21.988126	12.619545	11.887791	37	21 988 126	12 619 545	11 887 791
38	21.843703	13.213065	12.456136	38	21 843 703	13 213 065	12 456 136
39	21.697576	12.574643	11.794477	39	21 697 576	12 574 643	11 794 477

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
Date: 1994

TABLE B6 *Alternative harvest flow patterns using base case data, Kalum South, 1994. Annual volume (000's m³) by decade.*

This table supports figure B9.

Decade	Base	AAC then minus 10%	AAC then drop to LT	2xAAC minus 10%	7xAAC	Base	AAC then minus 10%	AAC then drop to LT	2xAAC minus 10%	7xAAC
0	464.00	480.00	480.00	480.00	480.00	1	4 735 000	4 895 000	4 895 000	4 895 000
1	464.00	480.00	480.00	480.00	480.00	2	4 275 000	4 415 000	4 095 000	4 895 000
1.00001	418.00	432.00	400.00	480.00	480.00	3	4 095 000	4 095 000	4 095 000	4 415 000
2	418.00	432.00	400.00	480.00	480.00	4	4 095 000	4 095 000	4 095 000	4 895 000
2.00001	400.00	400.00	400.00	432.00	480.00	5	4 095 000	4 095 000	4 095 000	4 895 000
3	400.00	400.00	400.00	432.00	480.00	6	4 095 000	4 095 000	4 095 000	4 233 690
3.00001	400.00	400.00	400.00	400.00	480.00	7	4 095 000	4 095 000	4 095 000	4 206 690
4	400.00	400.00	400.00	400.00	480.00	8	4 095 000	4 095 000	4 095 000	4 095 000
4.00001	400.00	400.00	400.00	400.00	480.00	9	4 095 000	4 095 000	4 095 000	4 095 000
5	400.00	400.00	400.00	400.00	480.00	10	4 095 000	4 095 000	4 095 000	4 095 000
5.00001	400.00	400.00	400.00	400.00	413.87	11	4 095 000	4 095 000	4 095 000	3 764 210
6	400.00	400.00	400.00	400.00	413.87	12	4 095 000	4 095 000	4 095 000	1 332 180
6.00001	400.00	400.00	400.00	400.00	411.17	13	4 095 000	4 095 000	4 095 000	2 547 480
7	400.00	400.00	400.00	400.00	411.17	14	4 095 000	3 714 330	4 095 000	2 922 250
7.00001	400.00	400.00	400.00	400.00	400.00	15	4 039 530	3 862 670	4 082 190	4 018 320
8	400.00	400.00	400.00	400.00	400.00	16	4 095 000	4 095 000	4 095 000	4 095 000
8.00001	400.00	400.00	400.00	400.00	400.00	17	4 095 000	4 095 000	4 095 000	4 095 000
9	400.00	400.00	400.00	400.00	400.00	18	4 095 000	4 095 000	4 095 000	4 095 000
9.00001	400.00	400.00	400.00	400.00	400.00	19	4 095 000	4 095 000	4 095 000	4 095 000
10	400.00	400.00	400.00	400.00	400.00	20	4 095 000	4 095 000	4 095 000	4 095 000
10.00001	400.00	400.00	400.00	400.00	366.92	21	4 095 000	4 095 000	4 095 000	4 095 000
11	400.00	400.00	400.00	400.00	366.92	22	4 095 000	4 095 000	4 095 000	4 095 000
11.00001	400.00	400.00	400.00	400.00	123.72	23	4 095 000	4 095 000	4 095 000	4 095 000
12	400.00	400.00	400.00	400.00	123.72	24	4 095 000	4 095 000	4 095 000	4 095 000
12.00001	400.00	400.00	400.00	359.88	245.25	25	4 095 000	4 095 000	4 095 000	4 095 000
13	400.00	400.00	400.00	359.88	245.25	26	4 095 000	4 095 000	4 095 000	4 095 000
13.00001	400.00	361.93	400.00	282.73	400.00	27	4 095 000	4 095 000	4 095 000	4 095 000
14	400.00	361.93	400.00	282.73	400.00	28	4 095 000	4 095 000	4 095 000	4 095 000
14.00001	394.45	376.77	398.72	392.33	400.00	29	4 095 000	4 095 000	4 095 000	4 095 000
15	394.45	376.77	398.72	392.33	400.00	30	4 034 070	3 987 110	4 024 370	4 095 000
15.00001	400.00	400.00	400.00	400.00	400.00	31	4 095 000	4 095 000	4 095 000	4 095 000
16	400.00	400.00	400.00	400.00	400.00	32	4 095 000	4 095 000	4 095 000	4 095 000
16.00001	400.00	400.00	400.00	400.00	400.00	33	4 095 000	4 095 000	4 095 000	4 095 000
17	400.00	400.00	400.00	400.00	400.00	34	4 095 000	4 095 000	4 095 000	4 095 000
17.00001	400.00	400.00	400.00	400.00	400.00	35	4 095 000	4 095 000	4 095 000	4 095 000
18	400.00	400.00	400.00	400.00	400.00	36	4 095 000	4 095 000	4 095 000	4 095 000
18.00001	400.00	400.00	400.00	400.00	400.00	37	4 095 000	4 095 000	4 095 000	4 095 000
19	400.00	400.00	400.00	400.00	400.00	38	4 095 000	4 095 000	4 095 000	4 095 000
19.00001	400.00	400.00	400.00	400.00	400.00	39	4 095 000	4 095 000	4 095 000	4 095 000
20	400.00	400.00	400.00	400.00	400.00	40	4 095 000	4 095 000	4 095 000	4 095 000
20.00001	400.00	400.00	400.00	400.00	400.00					
21	400.00	400.00	400.00	400.00	400.00					
21.00001	400.00	400.00	400.00	400.00	400.00					
22	400.00	400.00	400.00	400.00	400.00					
22.00001	400.00	400.00	400.00	400.00	400.00					
23	400.00	400.00	400.00	400.00	400.00					
23.00001	400.00	400.00	400.00	400.00	400.00					
24	400.00	400.00	400.00	400.00	400.00					
24.00001	400.00	400.00	400.00	400.00	400.00					
25	400.00	400.00	400.00	400.00	400.00					

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
Date: 1994

TABLE B7 Harvest forecasts for 20% uncertainty in existing stand volumes, Kalum South, 1994.
 Annual volume (000's m³) by decade.
 This table supports figure B10.

Decade	Base	Plus 20%	Minus 100 years-LT	St@AAC-10%	50 yrs-LT		Base	Plus 20%	Minus 100 yrs-LT	St@AAC - 10%	50 yrs-LT
0	464.00	480.00	347.00	432.00	289.00	1	4 735 000	4 895 000	3 565 000	4 415 000	2 985 000
1	464.00	480.00	347.00	432.00	289.00	2	4 275 000	4 895 000	3 565 000	3 985 000	2 985 000
1.00001	418.00	480.00	347.00	389.00	289.00	3	4 095 000	4 895 000	3 565 000	3 595 000	2 985 000
2	418.00	480.00	347.00	389.00	289.00	4	4 095 000	4 895 000	3 565 000	3 245 000	2 985 000
2.00001	400.00	480.00	347.00	350.00	289.00	5	4 095 000	4 895 000	3 565 000	3 245 000	2 985 000
3	400.00	480.00	347.00	350.00	289.00	6	4 095 000	4 895 000	3 565 000	3 245 000	4 095 000
3.00001	400.00	480.00	347.00	315.00	289.00	7	4 095 000	4 895 000	3 565 000	3 245 000	4 095 000
4	400.00	480.00	347.00	315.00	289.00	8	4 095 000	4 895 000	3 565 000	3 245 000	4 095 000
4.00001	400.00	480.00	347.00	315.00	289.00	9	4 095 000	4 415 000	3 565 000	3 395 000	4 095 000
5	400.00	480.00	347.00	315.00	289.00	10	4 095 000	4 095 000	3 565 000	4 095 000	4 095 000
5.00001	400.00	480.00	347.00	315.00	400.00	11	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
6	400.00	480.00	347.00	315.00	400.00	12	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
6.00001	400.00	480.00	347.00	315.00	400.00	13	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
7	400.00	480.00	347.00	315.00	400.00	14	4 095 000	4 095 000	3 996 440	4 095 000	4 095 000
7.00001	400.00	480.00	347.00	315.00	400.00	15	4 039 530	4 000 440	4 095 000	4 095 000	4 047 530
8	400.00	480.00	347.00	315.00	400.00	16	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
8.00001	400.00	432.00	347.00	330.00	400.00	17	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
9	400.00	432.00	347.00	330.00	400.00	18	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
9.00001	400.00	400.00	347.00	400.00	400.00	19	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
10	400.00	400.00	347.00	400.00	400.00	20	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
10.00001	400.00	400.00	400.00	400.00	400.00	21	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
11	400.00	400.00	400.00	400.00	400.00	22	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
11.00001	400.00	400.00	400.00	400.00	400.00	23	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
12	400.00	400.00	400.00	400.00	400.00	24	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
12.00001	400.00	400.00	400.00	400.00	400.00	25	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
13	400.00	400.00	400.00	400.00	400.00	26	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
13.00001	400.00	400.00	390.14	400.00	400.00	27	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
14	400.00	400.00	390.14	400.00	400.00	28	4 095 000	4 095 000	4 095 000	4 095 000	3 872 020
14.00001	394.45	390.54	400.00	400.00	395.25	29	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
15	394.45	390.54	400.00	400.00	395.25	30	4 034 070	4 095 000	3 668 220	3 765 690	3 842 030
15.00001	400.00	400.00	400.00	400.00	400.00	31	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
16	400.00	400.00	400.00	400.00	400.00	32	4 095 000	4 095 000	4 095 000	4 095 000	4 032 140
16.00001	400.00	400.00	400.00	400.00	400.00	33	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
17	400.00	400.00	400.00	400.00	400.00	34	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
17.00001	400.00	400.00	400.00	400.00	400.00	35	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
18	400.00	400.00	400.00	400.00	400.00	36	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
18.00001	400.00	400.00	400.00	400.00	400.00	37	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
19	400.00	400.00	400.00	400.00	400.00	38	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
19.00001	400.00	400.00	400.00	400.00	400.00	39	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
20	400.00	400.00	400.00	400.00	400.00	40	4 095 000	4 095 000	4 095 000	4 095 000	4 095 000
20.00001	400.00	400.00	400.00	400.00	400.00						
21	400.00	400.00	400.00	400.00	400.00						
21.00001	400.00	400.00	400.00	400.00	400.00						
22	400.00	400.00	400.00	400.00	400.00						
22.00001	400.00	400.00	400.00	400.00	400.00						
23	400.00	400.00	400.00	400.00	400.00						
23.00001	400.00	400.00	400.00	400.00	400.00						
24	400.00	400.00	400.00	400.00	400.00						
24.00001	400.00	400.00	400.00	400.00	400.00						
25	400.00	400.00	400.00	400.00	400.00						

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
 Date: 1994

TABLE B8 Harvest forecasts if forest cover requirements were different than base case, Kalum South, 1994.
 Annual volume (000's m³) by decade.
 This table supports figure B11.

Decade	Base	TL Const Age=0	TL Const KM unconst	25% KM untarg.		Base	TL Const Age=0	TL Const KM unconst	25% KM untarg
0	464.00	449.61	462.00	464.00	1	4 735 000	4 591 120	4 715 000	4 735 000
1	464.00	449.61	462.00	464.00	2	4 275 000	2 951 840	2 982 990	4 157 350
1.00001	418.00	285.68	288.80	406.24	3	4 095 000	4 095 000	4 095 000	4 095 000
2	418.00	285.68	288.80	406.24	4	4 095 000	4 095 000	4 095 000	4 095 000
2.00001	400.00	400.00	400.00	400.00	5	4 095 000	4 095 000	4 095 000	4 095 000
3	400.00	400.00	400.00	400.00	6	4 095 000	4 095 000	4 095 000	4 095 000
3.00001	400.00	400.00	400.00	400.00	7	4 095 000	4 095 000	4 095 000	4 095 000
4	400.00	400.00	400.00	400.00	8	4 095 000	4 095 000	4 095 000	4 095 000
4.00001	400.00	400.00	400.00	400.00	9	4 095 000	4 095 000	4 095 000	4 095 000
5	400.00	400.00	400.00	400.00	10	4 095 000	4 095 000	4 095 000	4 095 000
5.00001	400.00	400.00	400.00	400.00	11	4 095 000	4 095 000	4 095 000	4 095 000
6	400.00	400.00	400.00	400.00	12	4 095 000	4 095 000	4 095 000	4 095 000
6.00001	400.00	400.00	400.00	400.00	13	4 095 000	4 095 000	4 095 000	4 095 000
7	400.00	400.00	400.00	400.00	14	4 095 000	4 095 000	4 095 000	4 095 000
7.00001	400.00	400.00	400.00	400.00	15	4 039 525	4 095 000	4 095 000	4 095 000
8	400.00	400.00	400.00	400.00	16	4 095 000	4 095 000	4 095 000	4 095 000
8.00001	400.00	400.00	400.00	400.00	17	4 095 000	4 095 000	4 095 000	4 095 000
9	400.00	400.00	400.00	400.00	18	4 095 000	4 095 000	4 095 000	4 095 000
9.00001	400.00	400.00	400.00	400.00	19	4 095 000	4 095 000	4 095 000	4 095 000
10	400.00	400.00	400.00	400.00	20	4 095 000	4 095 000	4 095 000	4 095 000
10.00001	400.00	400.00	400.00	400.00	21	4 095 000	4 095 000	4 095 000	4 095 000
11	400.00	400.00	400.00	400.00	22	4 095 000	4 095 000	4 095 000	4 095 000
11.00001	400.00	400.00	400.00	400.00	23	4 095 000	4 095 000	4 095 000	4 095 000
12	400.00	400.00	400.00	400.00	24	4 095 000	4 095 000	4 095 000	4 095 000
12.00001	400.00	400.00	400.00	400.00	25	4 095 000	4 095 000	4 095 000	4 095 000
13	400.00	400.00	400.00	400.00	26	4 095 000	4 095 000	4 095 000	4 095 000
13.00001	400.00	400.00	400.00	400.00	27	4 095 000	4 095 000	4 095 000	4 095 000
14	400.00	400.00	400.00	400.00	28	4 095 000	4 095 000	4 095 000	4 095 000
14.00001	394.45	400.00	400.00	400.00	29	4 095 000	4 095 000	4 095 000	4 095 000
15	394.45	400.00	400.00	400.00	30	4 034 070	4 095 000	4 095 000	3 636 650
15.00001	400.00	400.00	400.00	400.00	31	4 095 000	4 095 000	4 095 000	4 095 000
16	400.00	400.00	400.00	400.00	32	4 095 000	4 095 000	4 095 000	4 095 000
16.00001	400.00	400.00	400.00	400.00	33	4 095 000	4 095 000	4 095 000	4 095 000
17	400.00	400.00	400.00	400.00	34	4 095 000	4 095 000	4 095 000	3 831 630
17.00001	400.00	400.00	400.00	400.00	35	4 095 000	4 095 000	4 095 000	4 095 000
18	400.00	400.00	400.00	400.00	36	4 095 000	4 095 000	4 095 000	4 095 000
18.00001	400.00	400.00	400.00	400.00	37	4 095 000	4 095 000	4 095 000	4 095 000
19	400.00	400.00	400.00	400.00	38	4 095 000	4 095 000	4 095 000	4 095 000
19.00001	400.00	400.00	400.00	400.00	39	4 095 000	4 095 000	4 095 000	4 095 000
20	400.00	400.00	400.00	400.00	40	4 095 000	4 095 000	4 095 000	4 095 000
20.00001	400.00	400.00	400.00	400.00					
21	400.00	400.00	400.00	400.00					
21.00001	400.00	400.00	400.00	400.00					
22	400.00	400.00	400.00	400.00					
22.00001	400.00	400.00	400.00	400.00					
23	400.00	400.00	400.00	400.00					
23.00001	400.00	400.00	400.00	400.00					
24	400.00	400.00	400.00	400.00					
24.00001	400.00	400.00	400.00	400.00					
25	400.00	400.00	400.00	400.00					

Per 3-7 harvests for 20% cover could be 434 5000

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
 Date: 1994

TABLE B9 Harvest forecasts if old-growth objectives were different than base case,
 Kalum South, 1994. Annual volume (000's m³) by decade.
 This table supports figure B12.

Decade	Base	Double O/G objective	No O/G objective		Base	Double O/G objective	No O/G objective
0	464.00	422.50	480.00	1	4 735 000	4 320 000	4 895 000
1	464.00	422.50	480.00	2	4 275 000	4 055 000	4 615 000
1.00001	418.00	396.00	452.00	3	4 095 000	4 055 000	4 405 000
2	418.00	396.00	452.00	4	4 095 000	4 055 000	4 105 000
2.00001	400.00	396.00	431.00	5	4 095 000	4 055 000	4 105 000
3	400.00	396.00	431.00	6	4 095 000	4 055 000	4 105 000
3.00001	400.00	396.00	401.00	7	4 095 000	4 055 000	4 105 000
4	400.00	396.00	401.00	8	4 095 000	4 055 000	4 105 000
4.00001	400.00	396.00	401.00	9	4 095 000	4 055 000	4 105 000
5	400.00	396.00	401.00	10	4 095 000	4 055 000	4 105 000
5.00001	400.00	396.00	401.00	11	4 095 000	4 055 000	4 105 000
6	400.00	396.00	401.00	12	4 095 000	4 055 000	4 105 000
6.00001	400.00	396.00	401.00	13	4 095.000	4 055 000	4 105 000
7	400.00	396.00	401.00	14	4 095 000	4 055 000	4 105 000
7.00001	400.00	396.00	401.00	15	4 039 530	4 021 710	4 006 710
8	400.00	396.00	401.00	16	4 095 000	4 055 000	4 105 000
8.00001	400.00	396.00	401.00	17	4 095 000	4 055 000	4 105 000
9	400.00	396.00	401.00	18	4 095 000	4 055 000	4 105 000
9.00001	400.00	396.00	401.00	19	4 095 000	4 055 000	4 105 000
10	400.00	396.00	401.00	20	4 095 000	4 055 000	4 105 000
10.00001	400.00	396.00	401.00	21	4 095 000	4 055 000	4 105 000
11	400.00	396.00	401.00	22	4 095 000	4 055 000	4 105 000
11.00001	400.00	396.00	401.00	23	4 095 000	4 055 000	4 105 000
12	400.00	396.00	401.00	24	4 095 000	4 055 000	4 105 000
12.00001	400.00	396.00	401.00	25	4 095 000	4 055 000	4 105 000
13	400.00	396.00	401.00	26	4 095 000	4 055 000	4 105 000
13.00001	400.00	396.00	401.00	27	4 095 000	4 055 000	4 105 000
14	400.00	396.00	401.00	28	4 095 000	4 055 000	4 105 000
14.00001	394.45	392.67	391.17	29	4 095 000	4 055 000	4 105 000
15	394.45	392.67	391.17	30	4 034 070	4 055 000	4 105 000
15.00001	400.00	396.00	401.00	31	4 095 000	4 055 000	4 105 000
16	400.00	396.00	401.00	32	4 095 000	4 055 000	4 105 000
16.00001	400.00	396.00	401.00	33	4 095 000	4 055 000	4 105 000
17	400.00	396.00	401.00	34	4 095 000	4 055 000	4 105 000
17.00001	400.00	396.00	401.00	35	4 095 000	4 055 000	4 105 000
18	400.00	396.00	401.00	36	4 095 000	4 055 000	4 105 000
18.00001	400.00	396.00	401.00	37	4 095 000	4 055 000	4 105 000
19	400.00	396.00	401.00	38	4 095 000	4 055 000	4 105 000
19.00001	400.00	396.00	401.00	39	4 095 000	4 055 000	4 105 000
20	400.00	396.00	401.00	40	4 095 000	4 055 000	4 105 000
20.00001	400.00	396.00	401.00				
21	400.00	396.00	401.00				
21.00001	400.00	396.00	401.00				
22	400.00	396.00	401.00				
22.00001	400.00	396.00	401.00				
23	400.00	396.00	401.00				
23.00001	400.00	396.00	401.00				
24	400.00	396.00	401.00				
24.00001	400.00	396.00	401.00				
25	400.00	396.00	401.00				

Source: B.C. Ministry of Forests, Resource Management Branch. Kalum South Timber Supply Analysis
 Date: 1994