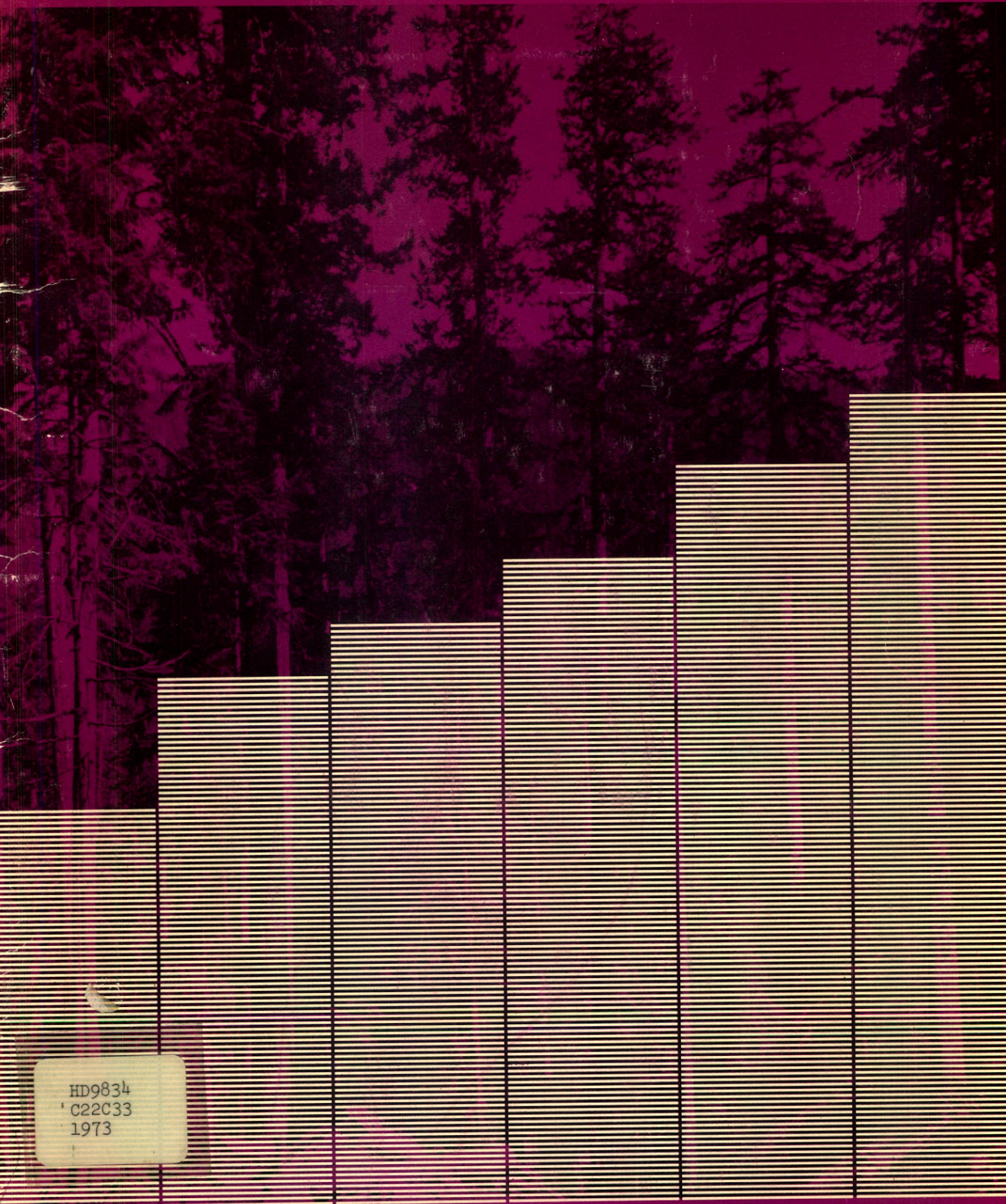




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Notes to the Tables

These Reference Tables are published annually as a statistical review of the Canadian pulp and paper industry, its growth and development, its place in the Canadian economy, and its position in the great world industry of which it forms so significant a part.

For some products, the figures in the Tables differ somewhat from those in the monthly Statistical Bulletin, also published by the Canadian Pulp and Paper Association. One of the reasons is that Statistics Canada grade classifications are slightly different, in a few instances, from those of the Canadian Pulp and Paper Association. In addition, the monthly Statistical Bulletin does not include statistics for several companies which are not members of CPPA. These companies account for some two per cent of the total pulp and paper output in Canada.

All quantities in the Tables are in short tons of 2,000 pounds and, for wood pulp, are expressed on an air-dry basis.

For the preparation of these tables grateful acknowledgement is made to L. J. Pouliot, formerly chief of the Forestry Section of Statistics Canada, Ottawa.

Copies of Reference Tables, within a reasonable number, are available from
Canadian
Pulp and Paper
Association,
2300 Sun Life Building,
Montreal 110, P.Q.

27th edition, September 1973

1. The Pulp and Paper Industry in 1972

1		
National significance	1972	1971
	\$'000	\$'000
Gross production of pulp and paper mills ¹	2,926,030 ²	2,832,267
Gross national product	102,935,000 ³	93,094,000
Capital expenditures of pulp and paper mills	392,400	506,200
Pulp and paper exports	2,196,442	2,057,932
Total domestic exports	19,500,135	17,575,386
Ratio of pulp and paper exports to total domestic exports	11.25%	11.71%
Pulp and paper exports to United States	1,460,873	1,440,410
Total domestic exports to United States	13,540,423	11,681,556
Ratio of pulp and paper exports to United States to total domestic exports to United States	10.79%	12.33%

1. Value of shipments of goods of own manufacture.
2. Canadian Pulp and Paper Association estimate.
3. Preliminary.

Source : Statistics Canada.

2				
Production by provinces	Wood pulp 1972 ¹	Wood pulp 1971 ¹	Basic paper and board 1972 ^{1,2}	Basic paper and board 1971 ²
	'000 Tons	'000 Tons	'000 Tons	'000 Tons
Quebec	6,538	6,245	5,611	5,419
Ontario	3,980	3,800	3,230	3,119
British Columbia	5,088	4,860	2,084	2,013
Other Provinces	3,485	3,329	1,767	1,707
Total	19,091	18,234	12,692	12,258

1. Canadian Pulp and Paper Association estimate.
2. Excluding building board.

Source : Statistics Canada.

3		
Production ratios	1972	1971
	%	%
Newsprint	86	83
Chemical pulps	88	85
Paperboard	99	84
Other papers	87	91

Note : These ratios represent actual production as a percentage of productive capacity, as estimated by the Canadian Pulp and Paper Association.

4		
Employees	1972	1971
Mill, head office and ancillary units	78,538 ¹	79,397
Woods	60,000 ²	70,000 ³

1. Statistics Canada estimate.
2. Man-years estimated by Canadian Pulp and Paper Association from pulpwood production on company limits using productivity per man/day over average working season.
3. Canadian Pulp and Paper Association estimate.

5		
Salaries and wages paid ¹	1972	1971
	\$'000	\$'000
Mill, head office and ancillary units	801,379 ²	745,608
Woods	450,000 ³	340,000 ³

1. Gross salaries and wages before deductions for income tax and benefits, including all bonuses, profits shared, value of room and board where provided and any other allowance forming part of the employees' earnings¹.
2. Statistics Canada estimate.
3. Canadian Pulp and Paper Association estimate.

6

Pulpwood consumption by provinces	Roundwood 1972	Wood residue 1972	Roundwood 1971	Wood residue 1971
	'000 Cunits	'000 Cunits	'000 Cunits	'000 Cunits
Atlantic Provinces	3,127	712	2,682	660
Quebec	5,485	1,704	5,670	1,380
Ontario	3,723	839	3,690	661
Prairies Provinces	924	105	813	102
British Columbia	2,932	5,099	3,123	4,602
Total	16,191	8,459	15,978	7,405

Sources: 1971: Statistics Canada; 1972: Canadian Pulp and Paper Association estimates from Statistics Canada preliminary data.

7

Pulpwood consumption by species	1972	1972	1971	1971
	'000 Cunits	%	'000 Cunits	%
Roundwood	16,191	65.68	15,978	68.33
<i>Spruce and balsam</i>	10,866	44.08	10,597	45.32
<i>Hemlock</i>	1,792	7.27	1,906	8.15
<i>Jack Pine</i>	1,613	6.54	1,577	6.75
<i>Other softwoods</i>	396	1.61	485	2.35
<i>Poplar, Aspen and Cottonwood</i>	617	2.50	608	2.60
<i>Other hardwoods</i>	906	3.68	738	3.16
Wood residue	8,459	34.32	7,405	31.67
Total	24,650	100.0	23,383	100.0

Sources: 1971: Statistics Canada; 1972: Canadian Pulp and Paper Association estimates from Statistics Canada preliminary data.

8

Shipments by products

		Total wood pulp ¹	Other printing, book & writing papers ²	Tissue and sanitary papers	Wrapping papers	Paper-board	Other paper & board	Total basic paper and paperboard	Building boards	Total paper and board shipments	Total pulp and paper shipments	
1956	'000 Tons	2,914	6,433	334	48	276	857	100	8,047	235	8,283	11,197
	%	26.03	57.45	2.98	.43	2.47	7.65	.89	71.87	2.10	73.97	100.00
1957	'000 Tons	2,752	6,317	330	47	270	822	87	7,873	225	8,098	10,850
	%	25.37	58.22	3.04	.43	2.49	7.58	.80	72.56	2.07	74.63	100.00
1958	'000 Tons	2,596	5,982	344	48	279	875	94	7,622	249	7,871	10,467
	%	24.80	57.15	3.29	.46	2.66	8.36	.90	72.82	2.38	75.20	100.00
1959	'000 Tons	2,938	6,371	372	52	317	917	88	8,116	269	8,386	11,324
	%	25.94	56.26	3.29	.46	2.80	8.10	.78	71.69	2.37	74.06	100.00
1960	'000 Tons	3,084	6,774	401	55	307	966	78	8,581	245	8,826	11,910
	%	25.89	56.88	3.37	.46	2.38	8.11	.65	72.05	2.06	74.11	100.00
1961	'000 Tons	3,335	6,675	417	68	315	1,009	75	8,559	233	8,792	12,127
	%	27.50	55.04	3.44	.56	2.60	8.32	.62	70.58	1.92	72.50	100.00
1962	'000 Tons	3,690	6,648	434	70	330	1,082	97	8,661	263	8,924	12,614
	%	29.25	52.70	3.44	.55	2.62	8.58	.77	68.66	2.09	70.75	100.00
1963	'000 Tons	4,023	6,639	460	87	340	1,205	94	8,825	335	9,160	13,183
	%	30.52	50.36	3.49	.66	2.58	9.14	.71	66.94	2.54	69.48	100.00
1964	'000 Tons	4,412	73.78	491	84	349	1,287	101	9,690	294	9,984	14,396
	%	30.65	51.25	3.41	.58	2.43	8.94	.70	67.31	2.04	69.35	100.00
1965	'000 Tons	4,650	7,841	535	92	367	1,409	83	10,327	290	10,617	15,267
	%	30.46	51.36	3.51	.60	2.40	9.23	.54	67.64	1.90	69.54	100.00
1966	'000 Tons	5,066	8,493	621	105	419	1,516	88	11,243	278	11,520	16,586
	%	30.54	51.21	3.74	.63	2.53	9.14	.53	67.78	1.68	69.46	100.00
1967	'000 Tons	5,150	8,108	627	111	465	1,567	85	10,963	306	11,269	16,419
	%	31.37	49.38	3.82	.68	2.83	9.54	.52	66.77	1.86	68.63	100.00
1968	'000 Tons	5,985	8,205	663	104	467	1,627	117	11,183	357	11,540	17,525
	%	34.15	46.82	3.78	.59	2.67	9.28	.67	63.81	2.04	65.85	100.00
1969	'000 Tons	6,899	8,863	731	121	505	1,744	129	12,093	393	12,486	19,385
	%	35.59	45.72	3.77	.62	2.61	9.00	.66	62.38	2.03	64.41	100.00
1970	'000 Tons	6,665	8,764	880	118	491	1,751	114	12,118	362	12,480	19,145
	%	34.81	45.78	4.60	.62	2.56	9.14	.59	63.30	1.89	65.19	100.00
1971	'000 Tons	6,419	8,420	906	111	542	1,806	154	11,939	413	12,352	18,771
	%	34.19	44.86	4.83	.59	2.89	9.62	.82	63.61	2.20	65.81	100.00
1972 ⁴	'000 Tons	7,229	8,963	1,013	118	566	1,992	174	12,826	448	13,274	20,503
	%	35.26	43.72	4.94	.58	2.76	9.71	.85	62.56	2.18	64.74	100.00

1. Including shipments to subsidiary and affiliated companies.

2. Statistics Canada classification includes some grades not classed as newsprint by the Newsprint Division of the Canadian Pulp and Paper Association.

3. As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

4. Preliminary.

Sources: 1956-1971: Statistics Canada; 1972: Canadian Pulp and Paper Association estimates.

Shipments by areas

		Total used in Canada ^{1,2}	Total exported	United States	United Kingdom	Western Europe	South America	Central America and Antilles	Australia and New Zealand	Japan	All other countries
1956	'000 Tons	2,650	8,547	7,248	663	124	108	123	84	78	119
	%	23.67	76.33	64.73	5.92	1.11	0.96	1.10	0.75	0.70	1.06
1957	'000 Tons	2,419	8,431	7,042	680	128	129	137	80	79	156
	%	22.30	77.70	64.90	6.27	1.18	1.19	1.26	0.74	0.73	1.44
1958	'000 Tons	2,353	8,114	6,822	692	109	132	136	22	89	112
	%	22.48	77.52	65.18	6.61	1.04	1.26	1.30	0.21	0.85	1.07
1959	'000 Tons	2,709	8,615	7,196	714	100	138	143	48	114	162
	%	23.92	76.08	63.55	6.31	0.88	1.22	1.26	0.42	1.01	1.43
1960	'000 Tons	2,859	9,051	7,324	877	153	175	138	20	196	168
	%	24.01	75.99	61.49	7.36	1.28	1.47	1.16	0.17	1.65	1.41
1961	'000 Tons	2,726	9,401	7,499	867	156	279	183	21	184	212
	%	22.48	77.52	61.84	7.15	1.29	2.29	1.51	0.17	1.52	1.75
1962	'000 Tons	3,096	9,518	7,737	897	173	219	112	52	144	184
	%	24.54	75.46	61.34	7.11	1.37	1.74	0.89	0.41	1.14	1.46
1963	'000 Tons	3,233	9,950	7,895	932	256	210	147	169	146	195
	%	24.52	75.48	59.89	7.07	1.94	1.59	1.12	1.28	1.11	1.48
1964	'000 Tons	3,475	10,921	8,519	1,017	326	226	141	255	197	240
	%	24.14	75.86	59.18	7.06	2.26	1.57	0.98	1.77	1.37	1.67
1965	'000 Tons	3,721	11,546	9,132	912	398	264	168	218	219	235
	%	24.37	75.63	59.82	5.97	2.61	1.73	1.10	1.43	1.43	1.54
1966	'000 Tons	4,055	12,531	9,853	951	518	311	182	280	195	241
	%	24.45	75.55	59.41	5.73	3.12	1.87	1.10	1.69	1.18	1.45
1967	'000 Tons	4,019	12,400	9,469	911	714	272	196	359	237	242
	%	24.48	75.52	57.67	5.55	4.35	1.66	1.19	2.19	1.44	1.47
1968	'000 Tons	4,390	13,135	9,598	1,045	958	333	183	526	247	245
	%	25.05	74.95	54.77	5.96	5.47	1.90	1.04	3.00	1.41	1.40
1969	'000 Tons	4,557	14,828	10,685	1,050	1,149	394	256	667	246	381
	%	23.51	76.49	55.12	5.42	5.43	2.03	1.32	3.44	1.27	1.96
1970	'000 Tons	4,543	14,602	9,898	1,138	1,275	442	335	625	274	615
	%	23.73	76.27	51.70	5.95	6.66	2.31	1.75	3.26	1.43	3.21
1971	'000 Tons	4,189	14,582	10,115	1,088	1,345	421	278	446	270	619
	%	22.32	77.68	53.88	5.80	7.16	2.24	1.48	2.38	1.44	3.30
1972 ³	'000 Tons	4,939	15,564	10,582	1,331	1,494	489	323	522	246	577
	%	24.09	75.91	51.61	6.49	7.29	2.39	1.57	2.55	1.20	2.81

1. Including shipments to subsidiary and affiliated companies.

2. Canadian Pulp and Paper Association estimates. The dollar figures of exports of products manufactured from paper and paperboard are given in Table 47; for most items tonnage figures are not available.

3. Preliminary.

Sources: 1956-71: Statistics Canada; 1972 Canadian Pulp and Paper Association estimates.

10

Mill locations 1972 ¹	Pulp mills	Pulp & paper mills	Paper mills	Total
Newfoundland		2	1	3
Nova Scotia	1	3		4
New Brunswick	4	6	1	11
Quebec	8	34	13	55
Ontario	6	19	15	40
Manitoba	1	3		4
Saskatchewan	1	1		2
Alberta	1	3		4
British Columbia	12	7	2	21
Total	34	78	32	144

1. Preliminary.

Source: Statistics Canada.

Pulp, paper and paper products exports 1972	Total exports	Total exports	To U.S.A.	To U.S.A.	To United Kingdom	To United Kingdom	To other countries	To other countries
	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$,000
Pulp	6,102	817,331	3,509	473,103	445	60,616	2,148	283,612
Dissolving and special alpha	312	58,573	208	41,023	14	2,688	89	14,862
Sulphate paper grades	4,988	675,507	2,711	370,640	378	50,102	1,900	254,765
<i>Bleached softwood</i>	3,575	499,901	2,031	286,756	217	30,099	1,328	183,046
<i>Bleached hardwood</i>	453	56,519	225	28,213	94	11,546	133	16,760
<i>Semi-bleached</i>	544	72,119	189	25,503	60	7,711	295	38,905
<i>Unbleached</i>	416	46,972	266	30,168	7	746	143	16,058
Sulphite paper grades	517	66,318	400	49,954	52	7,791	65	8,573
<i>Bleached</i>	406	53,838	317	40,463	44	6,902	45	6,473
<i>Unbleached, strong</i>	90	9,950	64	7,080	8	889	18	1,981
<i>Unbleached, news grade</i>	20	2,530	19	2,411			1	120
Mechanical	275	16,691	179	11,244	1	35	95	5,412
<i>Bleached</i>	82	5,710	81	5,643			1	67
<i>Unbleached</i>	193	10,981	98	5,601	1	35	95	5,345
Other pulps ¹	11	242	11	242	11	242		
Newsprint	8,178	1,162,441	6,452	937,651	563	80,231	1,164	144,559
Standard	8,102	1,157,509	6,390	933,761	561	80,127	1,151	143,621
Mutilated	76	242	62	3,890	2	104	13	938
Other paper and paperboard	1,337	193,883	669	92,581	318	51,249	350	50,064
Wrapping paper	218	37,048	79	13,207	81	15,263	57	8,578
<i>Bleached sulphite and sulphate</i>	9	2,377	8	2,072	1	213		92
<i>Unbleached sulphite and sulphate</i>	208	34,301	70	10,843	80	15,022	57	8,436
<i>Miscellaneous furnishes</i>	1	106	3	57	3	22	3	27
<i>Wrapping⁴</i>	1	264	1	235	3	6	3	23
Book, writing, and other printing paper	392	77,292	279	50,119	55	11,823	58	15,350
<i>Groundwood printing⁴</i>	236	39,317	175	27,910	41	7,773	20	3,634
<i>Hanging, not printed</i>	3	209	3	165			3	45
<i>Paper for printing⁴</i>	58	13,529	48	10,937	6	1,448	4	1,144
<i>Writing and reproduction</i>	47	13,902	17	4,240	4	1,466	26	8,196
<i>Fine paper⁴</i>	12	3,675	1	221	4	1,136	8	2,318
<i>Base stock for coated printing paper</i>	38	6,659	38	6,646			3	13
Paperboard	385	45,619	52	5,576	179	23,392	153	16,651
<i>Liner board</i>	222	29,098	4	439	155	20,802	63	7,857
<i>Container board⁴</i>	147	14,084	34	3,063	23	2,313	90	8,708
<i>Solid bleached and folding boxboard⁴</i>	1	180	3	3	1	176		
<i>Set-up boxboard⁴</i>	6	1,043	5	949	3	89	3	5
<i>Paperboard⁴</i>	10	1,214	9	1,122	3	12	3	80
Building board	92	11,851	86	10,838	2	380	4	633
<i>Rigid insulating board</i>	18	2,190	16	1,746	3	11	2	469
<i>Hardboard</i>	73	9,593	70	9,036	2	366	1	191
<i>Building board⁴</i>	1	68	3	56	3	3	3	9
Wet machine board	5	2,831	5	2,831	1	273	4	2,484
Roofing and building paper ⁴	63	5,345	57	4,694	3	28	6	623
Asphalt shingles	101	5,797	57	3,368	3	9	43	2,420
Tissue paper, except sanitary	1	181	3	86	3	62	3	33
Sanitary paper	17	4,597	8	1,987	3	216	9	2,404
Waste paper ⁴	63	3,323	49	2,433	3	2	3	888
Paper products	15	22,787	4	9,071	6	4,880	6	8,837
Paper bags and multiwall sacks		655		96		2		557
Boxes and cartons, paperboard, and parts		2,035		1,315		32		688
Hanging or wallpaper, printed	4	6,442	2	3,741	3	57	1	2,644
Packaged toilet paper	1	456	3	6			3	450
Notebooks, scribbles and pads		31		9				22
Stationery, paper office supplies ⁴		1,426		650		78		698
Converted paper ⁴	10	8,804	1	955	6	4,549	3	3,300
Paper end products ⁴		528		421		31		76
Total	15,632	2,196,442	10,632	1,512,406	1,332	196,976	3,668	487,072

Note: Because quantities reported in hundredweights have been converted into thousands of tons and values reported in dollars have been rounded into thousands of dollars, breakdowns by grades or countries do not always cross-add.

1. Screenings included.

2. Weight of most paper products is unavailable.

3. Less than 500 tons or \$500.

4. Not elsewhere specified.

Source: Statistics Canada.

II. Forests and Wood Supply

12

Pulpwood consumption by pulp and paper mills

	Roundwood ¹	Roundwood ¹	Wood ² residue	Wood ² residue	Total	Total
	'000 Cunits	\$'000 ³	'000 Cunits	\$'000 ³	'000 Cunits	\$'000 ³
1953	10,293	329,087	374	9,476	10,667	338,563
1954	11,034	332,854	569	11,775	11,603	344,629
1955	11,585	340,077	682	15,541	12,267	355,618
1956	11,927	369,263	796	18,883	12,723	388,146
1957	11,362	361,152	928	20,828	12,290	381,980
1958	10,730	338,226	1,057	22,301	11,787	360,527
1959	11,505	349,827	1,237	25,185	12,742	375,012
1960	11,999	361,859	1,518	31,092	13,517	392,950
1961	12,272	365,330	1,787	36,182	14,059	401,512
1962	12,675	368,960	2,064	43,797	14,739	412,757
1963	12,726	371,120	2,509	53,288	15,235	424,408
1964	13,725	402,270	2,975	68,710	16,700	470,980
1965	14,014	415,351	3,657	92,582	17,671	507,933
1966	15,074	472,526	4,438	106,696	19,512	579,222
1967	14,906	496,252	4,988	114,211	19,894	610,463
1968	15,616	523,343	5,872	143,321	21,488	666,664
1969	17,283	586,204	6,395	160,347	23,678	746,515
1970	17,070	582,296	6,140	152,182	23,211	734,478
1971	15,978	554,411	7,405	189,760	23,383	744,171
1972	16,190	5	8,459	5	24,649	5

Note: A cunit equals 100 cubic feet of solid wood, excluding the bark.

1. Whole logs and bolts.

2. Sawmill chips, slabs, edgings, reject lumber, veneer cores and other residue.

3. Sum of values reported by pulp mills for roundwood or wood residue used (delivered price)

4. Canadian Pulp and Paper Association estimate.

5. Not available.

Source: Statistics Canada.

13

Apparent pulpwood production

	Roundwood ¹	Wood residue ²
	'000 Cunits	'000 Cunits
1953	11,768	541
1954	12,497	781
1955	13,070	975
1956	13,427	1,094
1957	12,739	1,242
1958	11,699	1,296
1959	12,320	1,447
1960	12,784	1,799
1961	12,998	2,129
1962	13,589	2,415
1963	13,563	2,987
1964	14,678	3,376
1965	15,082	3,953
1966	16,158	4,770
1967	15,765	5,413
1968	16,354	6,301
1969	18,074	6,670
1970	17,896	6,485
1971	16,479	7,706
1972	16,528 ³	7,671 ³

1. Whole logs and bolts. Quantity calculated on the basis of consumption plus exports minus imports. This takes no account of inventory changes and includes wood originally intended for use as sawlogs but diverted to pulp mills.

2. Consists chiefly of sawmill chips but also includes slabs, edgings, reject lumber, veneer cores and other residue.

3. Preliminary.

Source: Calculated by Canadian Pulp and Paper Association from Statistics Canada data shown in Tables 12 and 14.

15

Forest Land¹

	'000 Acres
Reserved forest land ²	17,034
Not allocated to wood production (Crown)	344,462
Allocated to wood production (Crown)	370,646
Allocated to wood production (private)	64,204
Total forest land	796,346
Non forest land	1,467,700
Water (rivers and lakes)	200,846
Total, land and water	2,464,892

1. Land capable of producing stands of trees 4 inches DBH and larger on 10% or more of the area. Shelter belts and units of forest 5 acres or less and scattered are excluded.

2. Land in parks, game refuges, water conservation areas and nature preserves where, by legislation, wood production is not the primary use.

Source: Economics Institute, Canadian Forestry Service, Department of Environment.

14

Pulpwood exports and imports

	Export: roundwood ¹	Export: wood residue ²	Export: total	Import: roundwood ¹
	'000 Cunits	'000 Cunits	'000 Cunits	'000 Cunits
1953	1,516	167	1,683	41
1954	1,552	212	1,764	89
1955	1,600	293	1,893	115
1956	1,660	298	1,958	160
1957	1,630	314	1,944	153
1958	1,094	239	1,333	125
1959	941	210	1,151	126
1960	979	281	1,260	194
1961	902	342	1,244	176
1962	1,041	351	1,392	127
1963	947	478	1,424	110
1964	1,050	401	1,451	97
1965	1,158	296	1,454	90
1966	1,172	348	1,520	104
1967	988	425	1,413	129
1968	903	429	1,332	98
1969	884	275	1,159	93
1970	933	345	1,278	107
1971	658	301	959	99
1972	495	266	761	157

1. Whole logs and bolts.

2. Pulpwood chips only. Exports reported in tons have been converted to cunits on the basis of 0.355 cunit per ton.

Source: Statistics Canada.

16

Forest volume¹

	Conifers	Broad-leaved	Total
	'000,000 cu.ft.	'000,000 cu.ft.	'000,000 cu.ft.
Newfoundland	4,010		4,010
Prince Edward Island	98	52	150
Nova Scotia	6,045	2,539	8,584
New Brunswick	11,947	4,921	16,868
Quebec	96,954	33,443	130,397
Ontario	66,593	44,830	111,423
Manitoba	9,991	2,763	12,754
Saskatchewan	9,913	7,087	17,000
Alberta	36,019	23,558	59,577
British Columbia ²	261,313	7,322	268,635
Canada³	502,883	126,515	629,398

1. Merchantable timber. Non-reserved forest land only inventoried in 1968.

2. Mature timber only.

3. No global inventories available for the Yukon and Northwest Territories.

Source: Economics Institute, Canadian Forestry Service, Department of Environment.

III. Pulp

17

Wood pulp production	Dissolving & special alpha	Sulphite	Sulphate ³	Mechanical	Defibrated & exploded	Semi-chemical ²	Screenings ⁴	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	431	1,968	1,206	5,123	125	126	98	9,077
1954	427	2,181	1,386	5,338	113	126	103	9,673
1955	402	2,415	1,471	5,467	139	155	102	10,151
1956	403	2,561	1,597	5,723	171	184	95	10,734
1957	342	2,397	1,706	5,574	153	172	82	10,425
1958	331	2,143	1,896	5,375	168	157	68	10,137
1959	391	2,130	2,234	5,656	174	173	75	10,832
1960	392	2,292	2,442	5,881	158	224	73	11,461
1961	373	2,415	2,697	5,878	136	208	73	11,779
1962	478	2,406	2,926	5,892	147	217	67	12,133
1963	429	2,566	3,136	5,850	160	247	87	12,474
1964	450	2,872	3,420	6,442	185	290	83	13,742
1965	475	2,924	3,905	6,802	187	195	85	14,573
1966	429	3,066	4,605	7,351	175	226	105	15,958
1967	434	2,827	5,068	7,041	208	212	66	15,857
1968	469	2,643	6,034	7,055	250	245	65	16,762
1969	500	2,794	6,945	7,680	318	286	67	18,590
1970	453	2,815	6,707	7,650	286	326	71	18,308
1971	428	2,527	7,132	7,405	338	332	72	18,234
1972 ¹	406	2,431	7,747	7,720	337	377	73	19,091

1. Canadian Pulp and Paper Association estimates.

2. Soda included until 1964.

3. Soda included since 1965.

4. Mechanical and chemical screenings.

Source: Statistics Canada.

18

Wood pulp annual capacity	Dissolving & special alpha	Sulphite bleached	Sulphite unbleached	Sulphate bleached & semi-bleached	Sulphate unbleached	Mechanical ¹	Other ²	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1972	472	703	2,322	6,754	1,951	9,922	496	22,620
1973	415	616	2,261	7,441	2,216	10,124	510	22,583
1974	427	704	2,270	7,931	2,376	10,229	510	24,467
1975	542	715	2,272	8,135	2,422	10,264	510	24,873

Note: Capacity is the normal maximum productive capacity as at the beginning of each year, plus or minus changes during the year from the date they become effective.

1. Groundwood and Defibrated and Exploded pulp. Also included Groundwood screenings prior to 1971.

2. Soda and Semi-chemical pulps and Chemical screenings prior to 1965; Semi-chemical pulp and Chemical screenings since 1965, plus Groundwood screenings since 1971.

3. Included with Sulphite and Sulphate.

Source: Canadian Pulp and Paper Association estimates. Capacity Survey 1972-75.

Wood pulp exports, by grades	Dissolving & special alpha	Sulphite	Sulphate	Mechanical	Other wood pulp ¹	Screenings	All grades	All grades
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000
1953	383 ²	590	706	228	35	9	1,950	248,675
1954	369 ²	686	845	232	38	11	2,180	271,418
1955	330 ²	829	892	262	41	12	2,366	297,304
1956	303 ²	818	916 ³	275	45	16	2,374	304,536
1957	275 ²	691	1,016 ³	248	43	10	2,283	292,406
1958	218 ²	579	1,149 ³	233	32	7	2,219	285,449
1959	273 ²	513	1,376 ³	240	38	10	2,450	311,253
1960	242 ²	604	1,466 ³	235	43	11	2,601	325,122
1961	307	634	1,635	236	46	11	2,869	346,661
1962	355	705	1,681	260	34	9	3,044	369,902
1963	372	786	1,883	248	41	8	3,339	405,292
1964	402	885	2,018	286	39	7	3,636	460,854
1965	385	891	2,245	313	13	5	3,853	493,501
1966	364	852	2,615	254	⁴	11	4,096	520,067
1967	351	724	2,966	221	6	1	4,269	543,433
1968	368	636	3,742	219	5	1	4,971	627,875
1969	376	653	4,503	255	8	⁴	5,795	753,490
1970	333	664	4,290	277	16	2	5,582	785,228
1971	349	554	4,529	232	12		5,676	798,080
1972	312	517	4,988	275	11		6,102	817,331

1. Includes soda prior to 1966, mechanical screenings since 1967, chemical screenings since 1971 and unspecified grades.

2. Sulphite only.

3. Includes sulphate dissolving pulp.

4. Less than 500 tons.

Source: Statistics Canada.

Wood pulp exports, by areas	United States	Other America	United Kingdom	Other Europe	Japan	Other Asia	Africa	Australia & New Zealand	All countries
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	1,599	14	215	50	60	7	1	4	1,950
1954	1,670	60	271	101	44	28	2	3	2,180
1955	1,869	43	281	113	37	18	2	3	2,366
1956	1,920	25	244	82	84	13	2	5	2,374
1957	1,847	25	225	75	80	20	2	8	2,283
1958	1,833	38	216	71	22	29	2	9	2,219
1959	1,966	64	217	79	47	59	2	13	2,450
1960	2,000	76	283	129	20	61	1	32	2,601
1961	2,177	152	279	121	21	83	12	25	2,869
1962	2,399	91	252	148	53	76	3	24	3,044
1963	2,506	81	280	208	167	55	4	40	3,339
1964	2,677	82	339	270	180	44	6	39	3,636
1965	2,817	85	347	290	204	31	11	68	3,853
1966	2,978	81	324	344	261	51	13	45	4,096
1967	2,902	91	273	555	317	49	18	64	4,269
1968	3,226	101	317	795	410	43	17	63	4,971
1969	3,830	96	296	913	499	54	25	82	5,795
1970	3,316	89	377	1,072	520	95	35	78	5,582
1971	3,373	102	351	1,207	383	141	30	89	5,676
1972	3,509	144	445	1,286	423	189	25	81	6,102

Source: Statistics Canada.

Sulphate pulp exports, by areas	United States	Other America	United Kingdom	Other Europe	Japan	Other Asia	Africa	Australia & New Zealand	All countries
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	642	10	24	15	10	4		1	706
1954	706	18	64	39	4	10	1	3	845
1955	762	21	61	36	1	8		3	892
1956	791	15	54	38	10	3		5	916 ²
1957	875	12	45	37	30	9		8	1,016 ²
1958	973	28	63	56	4	16	1	8	1,149 ²
1959	1,121	58	75	72	¹	35	1	13	1,376 ²
1960	1,125	57	112	111		30	1	30	1,466 ²
1961	1,237	107	103	106	15	45	3	19	1,635
1962	1,339	64	80	116	37	30	1	15	1,681
1963	1,425	36	106	145	124	20	¹	27	1,883
1964	1,514	37	118	178	127	15	1	28	2,018
1965	1,675	39	116	190	147	20	7	50	2,245
1966	1,906	40	117	271	199	34	11	37	2,615
1967	1,924	53	171	454	263	36	12	54	2,966
1968	2,269	60	260	690	374	26	3	60	3,742
1969	2,816	51	257	788	458	44	18	71	4,503
1970	2,423	52	316	853	485	74	19	68	4,290
1971	2,553	85	295	1,051	346	104	15	80	4,529
1972	2,711	117	378	1,182	365	145	16	74	4,988

1. Less than 500 tons.

2. Includes sulphate dissolving pulp.

Source: Statistics Canada.

22

Dissolving and special alpha pulps (sulphite and sulphate)	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
1958	331	218 ¹	39,024
1959	391	273 ¹	48,429
1960	392	242 ¹	42,708
1961	373	307	51,956
1962	478	355	61,344
1963	429	372	64,485
1964	450	402	71,123
1965	475	385	69,547
1966	429	364	65,034
1967	434	351	64,315
1968	469	368	69,231
1969	500	376	70,100
1970	453	333	63,869
1971	428	349	65,727
1972	406 ²	311	58,573

1. Sulphite only.

2. Canadian Pulp and Paper Association estimate.

Source: Statistics Canada.

23

Sulphite pulp, paper grades	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached			
1958	536	361	49,434
1959	507	333	45,832
1960	572	434	57,608
1961	684	444	55,510
1962	717	501	61,702
1963	847	568	67,904
1964	958	627	79,831
1965	900	628	81,977
1966	898	605	78,989
1967	813	522	68,406
1968	751	506	65,542
1969	753	505	69,853
1970	753	485	71,780
1971	647	427	60,234
1972	574 ¹	406	53,838
Unbleached			
1958	1,607	218	27,137
1959	1,623	180	22,029
1960	1,719	170	19,744
1961	1,731	190	21,153
1962	1,689	204	22,456
1963	1,719	219	22,956
1964	1,914	258	26,959
1965	2,024	263	27,924
1966	2,168	246	24,974
1967	2,014	202	20,487
1968	1,892	131	13,572
1969	2,041	147	16,275
1970	2,062	179	22,426
1971	1,880	127	15,796
1972	1,857 ¹	110	12,480
Total			
1958	2,143	579	76,570
1959	2,130	513	67,861
1960	2,292	604	77,352
1961	2,415	634	76,663
1962	2,406	705	84,157
1963	2,566	786	90,860
1964	2,872	885	106,790
1965	2,924	891	109,901
1966	3,066	852	103,963
1967	2,827	724	88,893
1968	2,643	636	79,114
1969	2,794	653	86,128
1970	2,815	664	94,206
1971	2,527	554	76,030
1972	2,431 ¹	517	66,318

1. Canadian Pulp and Paper Association estimate.

Source: Statistics Canada.

24

Sulphate pulp, paper grades	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached³			
1958	909	900 ^{1,2}	124,428 ^{1,2}
1959	1,061	909 ¹	126,511 ¹
1960	1,171	980 ¹	134,792 ¹
1961	1,293	1,060	139,551
1962	1,413	1,147	149,000
1963	1,624	1,375	176,289
1964	1,825	1,505	204,225
1965	1,904	1,655	227,462
1966	2,440	1,987	266,352
1967	2,680	2,285	302,136
1968	3,401	3,000	385,589
1969	4,032	3,539	472,405
1970	4,034	3,413	500,177
1971	4,248	3,621	526,232
1972	4,760 ⁴	4,028	556,419
Semi-bleached			
1958	173	⁵	⁵
1959	242	150	17,035
1960	284	140	16,013
1961	323	161	17,439
1962	421	184	19,736
1963	396	152	17,175
1964	621	192	22,647
1965	624	223	26,602
1966	723	234	27,420
1967	912	313	35,844
1968	1,176	381	43,206
1969	1,495	537	64,032
1970	1,195	515	67,509
1971	1,268	531	71,004
1972	1,289 ⁴	544	72,119
Unbleached			
1958	814	248	24,295
1959	931	317	29,011
1960	987	346	31,839
1961	1,081	413	38,833
1962	1,092	350	33,286
1963	1,115	356	34,201
1964	974	321	32,289
1965	1,259	367	37,348
1966	1,442	394	39,471
1967	1,476	368	37,448
1968	1,457	361	36,983
1969	1,418	427	44,721
1970	1,478	361	41,695
1971	1,617	378	44,031
1972	1,698 ⁴	416	46,972
Total			
1958	1,896	1,149 ¹	148,723
1959	2,234	1,376 ¹	172,557
1960	2,442	1,466 ¹	182,644
1961	2,697	1,635	195,822
1962	2,926	1,681	202,022
1963	3,136	1,883	227,666
1964	3,420	2,018	259,162
1965	3,787	2,245	291,412
1966	4,605	2,615	333,243
1967	5,068	2,966	375,428
1968	6,034	3,742	465,778
1969	6,945	4,503	581,158
1970	6,707	4,290	609,381
1971	7,132	4,529	641,267
1972	7,747 ⁴	4,988	675,507

1. Includes sulphate dissolving pulp.

2. Includes semi-bleached.

3. Includes soda since 1965.

4. Canadian Pulp and Paper Association estimate.

5. Not available.

Source: Statistics Canada.

Mechanical pulp	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached			
1958	94	15	1,107
1959	274	13	1,004
1960	327	13	991
1961	354	17	1,406
1962	380	23	1,812
1963	543	18	1,436
1964	449	13	1,041
1965	747	8	596
1966	²	6	453
1967	²	3	205
1968	²	1	33
1969	²	4	246
1970	²	13	732
1971	²	14	1,120
1972	²	82	5,710
Unbleached			
1958	5,281	217	15,088
1959	5,381	228	15,657
1960	5,553	223	15,358
1961	5,525	218	14,576
1962	5,511	237	15,886
1963	5,306	229	15,398
1964	5,993	272	12,256
1965	6,055	306	20,147
1966	²	248	16,807
1967	²	218	14,408
1968	²	218	13,599
1969	²	250	15,697
1970	²	264	16,600
1971	²	218	13,664
1972	²	193	10,981
Total			
1958	5,375	233	16,195
1959	5,656	240	16,661
1960	5,881	235	16,348
1961	5,878	236	15,982
1962	5,892	260	17,698
1963	5,850	248	16,833
1964	6,442	286	18,528
1965	6,802	313	20,743
1966	7,351	254	17,260
1967	7,041	221	14,613
1968	7,055	219	13,632
1969	7,680	255	15,943
1970	7,650	277	17,332
1971	7,405	232	14,784
1972	7,720 ¹	275	16,691

1. Canadian Pulp and Paper Association estimate.

2. Not available.

Source : Statistics Canada.

Wood pulp imports	Dissolving & special alpha ¹	Sulphite	Sulphate	Mechanical	Other wood pulp	Total	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	\$'000
1953		33	7	3		43	5,100
1954		36	12	4		52	5,850
1955		47	13	²		60	6,989
1956		51	13			64	8,117
1957		47	18			65	8,345
1958		35	19	²		54	7,346
1959		40	25			65	8,967
1960		47	17	²		64	8,657
1961		48	13	²		62	8,404
1962		53	10			63	8,962
1963		61	13			74	10,264
1964	22	41	11		2	75	10,440
1965	28	39	24		3	94	13,296
1966	16	25	16		1	58	8,042
1967	16	6	13		1	36	5,122
1968	18	10	18		1	46	6,512
1969	17	5	15	²	1	39	5,631
1970	7	7	37		2	51	8,616
1971	10	10	62		1	83	13,395
1972	12	17	76			105	15,856

1. Included with bleached sulphite prior to 1964.

2. Less than 500 tons.

Source : Statistics Canada.

Sources of U.S. wood pulp supply

	U.S. pulp production		Imports from Canada		Imports from other countries		Total supply
	'000 Tons	%	'000 Tons	%	'000 Tons	%	'000 Tons
1953	17,537	89.0	1,614	8.2	544	2.8	19,695
1954	18,302	89.9	1,679	8.3	373	1.8	20,354
1955	20,740	90.4	1,865	8.1	348	1.5	22,953
1956	22,131	90.4	1,957	8.0	377	1.6	24,465
1957	21,800	91.2	1,840	7.7	267	1.1	23,907
1958	21,796	91.2	1,819	7.6	283	1.2	23,898
1959	24,383	90.9	1,975	7.4	456	1.7	26,814
1960	25,316	91.4	2,032	7.3	349	1.3	27,697
1961	26,523	91.5	2,200	7.6	267	0.9	28,990
1962	27,908	90.9	2,435	7.9	353	1.2	30,696
1963	29,439	91.4	2,532	7.9	243	0.7	32,214
1964	31,911	91.6	2,702	7.7	240	0.7	34,853
1965	33,296	91.4	2,820	7.7	317	0.9	36,433
1966	35,636	91.4	3,013	7.7	345	0.9	38,994
1967	36,355	92.0	2,889	7.3	277	0.7	39,521
1968	39,196	90.3	3,266	9.1	266	0.6	42,728
1969	40,990	90.5	3,871	8.4	437	1.0	45,298
1970	42,216	92.3	3,370	7.4	143	0.3	45,729
1971	43,744	92.5	3,385	7.2	129	0.3	47,258
1972	46,604	92.6	3,605	7.2	127	0.2	50,336

Source: American Paper Institute — Pulp Division.

28

Average value per ton of U.S. pulp imports from Canada

	Dissolving & special alpha ¹	Bleached sulphite paper grades	Unbleached sulphite	Bleached sulphate paper grades ²	Unbleached & semi-bleached sulphate	Mechanical
	U.S. \$	U.S. \$	U.S. \$	U.S. \$	U.S. \$	U.S. \$
1953	181.17	134.55	111.17	135.82	106.36	73.36
1954	176.42	133.86	108.00	133.39	109.53	74.20
1955	177.46	136.13	114.23	138.74	113.13	74.47
1956	178.28	142.17	118.27	142.71	115.73	75.61
1957	187.70	147.66	122.06	144.65	109.02	74.67
1958	180.07	150.84	124.74	144.26	103.20	74.60
1959	186.22	147.72	126.51	145.20	102.76	74.54
1960	172.34	141.65	115.77	140.66	109.42	74.77
1961	156.16	136.71	110.18	132.48	117.70	73.58
1962	159.68	126.57	107.27	128.10	111.93	69.66
1963	163.11	122.54	105.38	128.49	116.75	66.29
1964	169.34	128.91	108.54	135.71	124.60	69.51
1965	173.48	131.84	109.63	137.12	124.24	70.75
1966	170.37	131.55	107.11	134.21	121.39	73.63
1967	177.64	132.58	107.61	129.87	119.78	73.02
1968	176.79	133.32	107.40	125.43	110.19	71.78
1969	174.76	135.21	110.13	127.73	112.98	63.78
1970	182.56	143.62	113.14	146.18	123.56	64.72
1971	174.24	144.47	123.05	143.47	125.90	67.31
1972 ³	185.14	138.75	119.23	138.20	117.22	65.43

1. Sulphite only prior to 1955; Sulphite and Sulphate from 1955.

2. Includes dissolving and special chemical grades of sulphate prior to 1955.

3. U.S. Department of Commerce, Bureau of the Census.

Source: American Paper Institute — Pulp & Raw Materials Group.

29

Consumption in Canada of wood pulp for paper, paperboard, and other board production, by kinds

	Sulphite	Sulphate	Mechanical	Screenings	Defibrated & exploded	Other wood-pulp	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	1,420	514	4,903	87	125	97	7,147
1954	1,505	555	5,094	96	113	94	7,456
1955	1,646	591	5,214	92	139	119	7,800
1956	1,801	703	5,439	79	171	146	8,339
1957	1,762 ¹	702	5,327	67	155	130	8,143
1958	1,617 ¹	772	5,136	58	171	127	7,882
1959	1,690 ¹	889	5,398	64	181	145	8,367
1960	1,817 ¹	968	5,625	59	166	198	8,833
1961	1,832 ¹	1,032	5,628	64	125	193	8,874
1962	1,786 ¹	1,203	5,621	52	147	195	9,004
1963	1,798 ¹	1,310	5,574	62	160	217	9,120
1964	2,009 ¹	1,400	6,136	63	184	252	10,045
1965	2,078 ¹	1,581	6,497	71	187	266	10,679
1966	2,232 ¹	1,906	7,053	100	175	233	11,699
1967	2,095 ¹	2,096	6,802	59	148	212	11,413
1968	2,056 ¹	2,180	6,841	63	250	245	11,635
1969	2,260 ¹	2,498	7,407	65	299	286	12,814
1970	2,187 ¹	2,581	7,355	64	268	315	12,771
1971	2,003 ¹	2,567	7,176	54	343	332	12,475
1972 ²	1,939 ¹	2,903	7,454	54	358	377	13,086

1. Includes dissolving and special alpha (sulphite and sulphate).

2. Canadian Pulp and Paper Association estimates.

Source: Statistics Canada.

Consumption in Canada of wood pulp for paper, paperboard, and other board production, by sources

	Sulphite	Sulphate	Mechanical	Screenings	Defibrated & exploded	Other wood-pulp	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
Own pulp from same mill							
1953	1,193	438	4,844	60	125	83	6,744
1954	1,274	458	5,058	66	113	78	7,048
1955	1,379	475	5,157	65	139	100	7,315
1956	1,534	585	5,377	56	171	118	7,840
1957	1,507	573	5,285	51	152	106	7,674
1958	1,386	640	5,113	43	168	101	7,450
1959	1,452	730	5,376	49	174	114	7,894
1960	1,587	803	5,608	46	158	168	8,370
1961	1,600	842	5,614	45	125	163	8,389
1962	1,542	934	5,603	35	147	161	8,422
1963	1,548	997	5,554	43	160	183	8,484
1964	1,739	1,018	6,107	43	184	213	9,304
1965	1,801	1,142	6,463	51	187	227	9,872
1966	1,952	1,384	7,026	82	175	226	10,845
1967	1,860	1,494	6,760	46	148	212	10,520
1968	1,829	1,583	6,811	49	250	245	10,767
1969	2,026	1,829	7,385	49	293	286	11,868
1970	2,010 ³	1,827	7,336	49	265	315	11,802
1971	1,814	1,850	7,160	45	338	332	11,558
1972 ²	1,756	2,092	7,437	45	353	376	12,059
Own pulp from other mills							
1953	146	23	9	17		4	199
1954	152	24	8	17		3	205
1955	167	30	8	18		5	229
1956	155	30	20	17		6	228
1957	146 ³	28	12	10		6	202
1958	115 ³	22	8	5		3	152
1959	136 ³	22	5	6		2	171
1960	136 ³	24	5	4		2	170
1961	133 ³	32	2	10		2	179
1962	148 ³	90	4	9		6	256
1963	156 ³	134	6	12		7	314
1964	161 ³	170	6	13		9	358
1965	168 ³	167	5	12		9	361
1966	136 ³	192	7	11		2	348
1967	104 ³	270	9	9		1	392
1968	117 ³	233	8	10		3	371
1969	99 ³	252	8	11			370
1970	88 ³	242	5	11			346
1971	95 ³	271	2	7			375
1972 ²	92 ³	306	2	7			407
Purchased pulp							
1953	81	53	50	11	1	10	204
1954	79	73	28	12		12	204
1955	99	86	48	8		14	256
1956	113	88	42	6		22	271
1957	109	100	30	7	2	18	267
1958	116 ³	111	15	10	3	24	279
1959	102 ³	137	16	9	7	29	302
1960	94 ³	141	12	1	8	28	293
1961	99 ³	158	11	10		28	306
1962	96 ³	179	14	8		28	325
1963	94 ³	179	15	6		28	322
1964	110 ³	212	23	7		31	382
1965	109 ³	272	28	8		29	446
1966	144 ³	330	20	7		5	506
1967	131 ³	332	33	4			501
1968	109 ³	357	21	4		4	497
1969	135 ³	417	14	5	6	1	576
1970	89 ³	512	14	4	3	1	623
1971	94 ³	446	14	2	5	1	562
1972 ²	91 ³	505	15	2	5	1	620

1. Less than 500 tons.

2. Canadian Pulp and Paper Association estimates.

3. Includes dissolving and special alpha (sulphite and sulphate).

Source : Statistics Canada.

IV. Newsprint

31

Newsprint production	Production	Operating ratio
	'000 Tons	%
1953	5,721	100.0
1954	5,984	101.1
1955	6,191	102.1
1956	6,469	103.6
1957	6,397	94.7
1958	6,096	84.2
1959	6,394	85.0
1960	6,739	88.5
1961	6,735	87.1
1962	6,691	85.3
1963	6,630	82.3
1964	7,301	88.2
1965	7,720	91.7
1966	8,419	94.8
1967	8,051	86.6
1968	8,031	83.2
1969	8,758	91.1 ¹
1970	8,607	88.6 ¹
1971	8,297	82.6 ¹
1972	8,661	85.6 ¹

1. See note Table 32.
Source: Canadian Pulp and Paper Association.

33

Newsprint shipments	Shipments in Canada	Exports	Total shipments
	'000 Tons	'000 Tons	'000 Tons
1953	398	5,334	5,733
1954	421	5,550	5,970
1955	430	5,805	6,236
1956	477	5,972	6,449
1957	457	5,907	6,364
1958	434	5,609	6,043
1959	473	5,953	6,425
1960	487	6,265	6,752
1961	492	6,216	6,707
1962	511	6,169	6,680
1963	523	6,100	6,622
1964	550	6,759	7,310
1965	590	7,157	7,747
1966	620	7,764	8,385
1967	638	7,330	7,968
1968	674	7,422	8,096
1969	708	8,033	8,741
1970	716	7,876	8,592
1971	720	7,490	8,210
1972	780	7,960	8,740

Source: Canadian Pulp and Paper Association.

34

Newsprint exports by areas	United States	United Kingdom	Latin America	Western Europe	Africa	Asia	Oceania	All countries
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	4,861	190	158	4	28	44	48	5,334
1954	4,875	273	186	54	32	52	77	5,550
1955	5,070	290	167	86	39	52	99	5,805
1956	5,230	340	192	49	45	41	74	5,972
1957	5,055	382	240	47	53	47	83	5,907
1958	4,827	381	202	40	54	26	80	5,609
1959	5,118	402	207	19	65	39	102	5,953
1960	5,279	468	235	26	73	22	162	6,265
1961	5,227	446	272	36	58	30	147	6,216
1962	5,229	486	233	23	43	47	110	6,169
1963	5,180	442	245	40	45	66	82	6,100
1964	5,648	465	261	34	65	156	130	6,759
1965	6,093	376	324	74	58	108	122	7,157
1966	6,610	371	389	98	15	135	146	7,764
1967	6,263	333	348	93	6	156	131	7,330
1968	6,107	427	394	92	6	260	135	7,422
1969	6,417	448	540	122	25	356	125	8,033
1970	6,144	400	637	153	58	345	139	7,876
1971	6,114	367	512	79	32	283	102	7,490
1972	6,403	484	541	79	23	330	99	7,960

Source: Canadian Pulp and Paper Association.

32

Newsprint capacity	Annual capacity
	'000 Tons
1972	10,118
1973	10,194
1974	10,400
1975	10,460

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity partly because no allowance is made for improvements in equipment during the year.

Source: Canadian Pulp and Paper Association estimates. Capacity Survey 1972-75.

35

Value of newsprint production and exports	Production ¹	Exports
	\$'000	\$'000
1953	633,408	619,033
1954	657,487	635,670
1955	688,338	665,877
1956	734,426	708,385
1957	724,613	715,490
1958	694,067	690,209
1959	732,849	722,271
1960	793,470	757,930
1961	804,641	761,313
1962	819,079	753,060
1963	809,247	759,990
1964	887,612	834,646
1965	927,832	869,586
1966	1,025,048	968,224
1967	998,020	955,261
1968	1,015,794	989,831
1969	1,114,707	1,125,801
1970	1,106,688	1,110,393
1971	1,083,225	1,084,477
1972	1,184,727 ²	1,157,509

1. "Total selling value at mill" (of production) prior to 1956; "Value of shipments f.o.b. mill" beginning in 1956.

2. Canadian Pulp and Paper Association estimate.

Source: Statistics Canada.

36

Value of newsprint and total pulp and paper production	Newsprint production ¹	Total production ²	Newsprint % of total
	\$'000,000	\$'000,000	
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9
1956	734.4	1,453.4	50.5
1957	724.6	1,415.8	51.2
1958	694.1	1,398.3	49.6
1959	732.8	1,502.3	48.7
1960	793.4	1,583.1	50.1
1961	804.6	1,632.8	49.3
1962	819.1	1,716.3	47.7
1963	809.2	1,793.2	45.1
1964	887.6	1,984.1	44.7
1965	927.8	2,104.4	44.1
1966	1,025.0	2,297.7	44.6
1967	998.0	2,301.0	43.4
1968	1,015.8	2,446.9	41.5
1969	1,114.7	2,771.3	40.2
1970	1,106.7	2,865.3	38.6
1971	1,083.2	2,835.2	38.2
1972 ³	1,184.7	3,063.0	38.7

1. See footnote 1, Table 35.

2. See footnote 2, Table 50.

3. Canadian Pulp and Paper Association estimate.

Source: Statistics Canada.

37

Sources of U.S. newsprint supply	Canada		U.S.		Europe		Total
	'000 Tons	%	'000 Tons	%	'000 Tons	%	'000 Tons
1953	4,861	80	1,057	17	164	3	6,083
1954	4,875	80	1,121	18	128	2	6,124
1955	5,070	77	1,374	21	146	2	6,589
1956	5,230	74	1,583	22	311	4	7,124
1957	5,055	73	1,698	25	155	2	6,908
1958	4,827	73	1,676	25	109	2	6,611
1959	5,118	71	1,909	27	124	2	7,151
1960	5,279	72	1,954	26	147	2	7,379
1961	5,227	71	1,965	27	155	2	7,346
1962	5,229	70	2,086	28	186	2	7,500
1963	5,180	69	2,099	28	189	3	7,468
1964	5,648	70	2,170	27	260	3	8,078
1965	6,093	72	2,118	25	255	3	8,466
1966	6,610	72	2,339	25	274	3	9,223
1967	6,263	69	2,523	28	283	3	9,069
1968	6,107	66	2,835	31	284	3	9,225
1969	6,417	65	3,116	32	293	3	9,826
1970	6,144	64	3,162	33	314	3	9,621
1971	6,114	64	3,127	33	317	3	9,558
1972	6,403	64	3,315	33	328	3	10,046

Source: All figures for supply from Europe are compiled from U.S. Department of Commerce reports; supplies from Canada and U.S. are compiled from reports of mill shipments to the Canadian Pulp and Paper Association, and to the American Paper Institute, respectively.

38

U.S.: prices and price indexes	Average delivered at New York ¹	Newsprint index 1926 = 100
1953	126.00	180.0
1954	126.00	180.0
1955	126.00	180.0
1956	130.00	185.7
1957	133.00	190.0
1958	134.00	191.0
1959	134.00	191.0
1960	134.00	191.0
1961	134.00	191.0
1962	134.00	191.0
1963	134.00	191.0
1964	134.00	191.0
1965	134.00	191.0
1966	136.92	195.6
1967	140.50	200.7
1968	142.00	202.9
1969	147.00	210.0
1970	152.00	217.1
1971	158.00	225.7
1972	164.58	235.1

1. U.S. Dollars.

Source: Canadian Pulp and Paper Association.

39

U.S. newsprint industry	Capacity	Production	Shipments to U.S.A.	Shipments overseas	Total shipments
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	1,170	1,084	1,057	30	1,088
1954	1,280	1,211	1,121	92	1,213
1955	1,409	1,552	1,374	177	1,550
1956	1,625	1,717	1,583	133	1,715
1957	1,921	1,826	1,698	118	1,817
1958	2,100	1,758	1,676	85	1,761
1959	2,390	1,964	1,909	53	1,963
1960	2,399	2,038	1,954	77	2,031
1961	2,376	2,094	1,965	122	2,086
1962	2,471	2,154	2,086	76	2,162
1963	2,461	2,218	2,099	109	2,208
1964	2,469	2,261	2,170	104	2,273
1965	2,497	2,180	2,118	65	2,183
1966	2,647	2,408	2,339	66	2,405
1967	3,024	2,620	2,523	79	2,602
1968 ¹	3,424	2,935	2,835	112	2,946
1969 ¹	3,254	3,232	3,116	117	3,233
1970 ¹	3,396	3,310	3,162	141	3,303
1971 ¹	3,472	3,296	3,127	161	3,288
1972 ¹	3,476	3,422	3,315	122	3,437

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for export, such as tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1972 the Department showed exports of 145,000 tons versus 122,000 tons reported by the mills.

1. Capacity for the years 1968 on have been adjusted in order to represent more realistically maximum possible production.

Source: Newsprint Division, American Paper Institute.

40

U.S. newsprint consumption and stocks					
	Consumption ANPA	Consumption total	Consumption per capita	Consumers' stocks ¹ ANPA	Consumers' stocks ¹ total
	'000 Tons	'000 Tons	Lbs.	'000 Tons	'000 Tons
1953	4,669	6,143	76.9	552	761
1954	4,684	6,163	75.9	516	722
1955	5,045	6,638	80.3	458	673
1956	5,209	6,899	82.1	636	898
1957	5,149	6,865	80.2	675	940
1958	4,950	6,644	76.3	652	907
1959	5,328	7,151	81.0	659	907
1960	5,532	7,426	82.2	628	861
1961	5,461	7,380	80.4	584	827
1962	5,577	7,486	80.3	604	841
1963	5,585	7,547	79.8	545	762
1964	6,031	8,042	83.7	585	798
1965	6,387	8,460	87.0	573	805
1966	6,898	9,077	92.2	681	951
1967	6,907	9,149	91.9	630	871
1968	7,025	9,244	91.9	633	853
1969	7,344	9,741	95.9	699	938
1970	7,130	9,545	93.2	749	1,013
1971	7,057	9,601	92.8	705	970
1972	7,569	10,271	98.4	544	746

Note: U.S. total consumption is based on consumption reported by the American Newspaper Publishers Association group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total U.S. consumption is obtained by extending ANPA consumption by this percentage to 100. Total consumers' stocks at the beginning of each year plus supplies received less total consumption equals stocks at the end of the year.

1. End of each year.

Source: Canadian Pulp and Paper Association.

41

Consumption by larger newspapers	1972	1971
	'000 Tons	'000 Tons
Canada		
Calgary Herald	17	16
Edmonton Journal	25	22
Halifax Chronicle-Herald & Mail Star	10	10
Hamilton Spectator	20	18
London Free Press	18	16
Montreal Gazette	13	13
Montreal La Presse	27*	29*
Montreal Star	32	31
Ottawa Citizen	12	11
Quebec Le Soeil	20	19
Toronto Globe & Mail	36	32
Vancouver Sun & Province	55	51
Winnipeg Tribune	8	8
United States		
Atlanta Journal & Constitution	129	114
Baltimore Sun	61	56
Chicago Sun-Times & Daily News	159	155
Chicago Today & Tribune	256	256
Cleveland Plain Dealer	96	93
Denver Post	60	53
Des Moines Register & Tribune	37	35
Detroit News	153	147
Kansas City Star & Times	81	72
Louisville Courier-Journal & Times	99	93
Miami Herald	158	145
Milwaukee Journal & Sentinel	119	109
New York News	366	361
New York Times	322	312
Philadelphia Inquirer	118	109
Pittsburg Press & Post Gazette	86	59*
St. Louis Post-Dispatch	76	75
Washington Post	175	162

*Curtailed by strike.

Source: Canadian Pulp and Paper Association.

V. Other Paper and Paperboard

42

Paperboard production	Container board liner board	Container board corrugating ¹	Container board total	Boxboard folding board	Boxboard non-folding board	Boxboard solid bleached board	Boxboard other	Boxboard total	Total paperboard
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	237	149	386	169	48	3	201	418	804
1954	244	135	379	175	46	3	199	420	799
1955	259	158	417	186	48	3	211	445	861
1956	330	172	502	216	48	3	212	476	978
1957	309	163	473	215	46	3	192	453	926
1958	318	181	499	237	61	3	183	481	980
1959	355	185	540	241	72	3	180	494	1,033
1960	376	208	583	233	65	14	165	476	1,060
1961	393	202	595	230	72	16	144	462	1,057
1962	441	224	665	247	79	17	160	503	1,168
1963	511	227	738	280	78	21	173	553	1,290
1964	522	240	762	247	92	86	229	654	1,416
1965	595	251	845	265	104	89	237	694	1,539
1966	677	284	961	278	112	103	227	721	1,682
1967	699	294	993	265	119	77	251	712	1,705
1968	723	299	1,022	264	122	73	265	724	1,746
1969	777	336	1,113	268	125	93	296	781	1,895
1970	776	375	1,151	250	111	107	219	687	1,838
1971	797	389	1,186	258	115	98	206	677	1,863
1972 ²	902	441	1,343	266	110	104	235	715	2,058

1. Includes container chipboard.

2. Canadian Pulp and Paper Association estimates.

3. Included with folding board.

Source: Statistics Canada.

43

Production, other papers & boards	Groundwood printing & specialty papers	Other printing, book & writing papers	Wrapping papers	Tissue & sanitary papers	Building boards ¹	Other papers & boards	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1953	47	200	248	87	137	99	818
1954	59	210	259	95	134	92	849
1955	80	221	272	107	158	104	942
1956	94	248	295	119	187	100	1,043
1957	83	252	284	123	180	91	1,013
1958	92	253	299	128	202	97	1,071
1959	104	278	337	140	215	92	1,166
1960	112	315	327	149	210	84	1,197
1961	114	306	334	157	221	83	1,215
1962	109	331	341	169	210	99	1,259
1963	114	351	349	201	219	98	1,332
1964	103	392	354	196	291	102	1,438
1965	127	407	376	193	297	98	1,498
1966	168	482	442	208	284	100	1,684
1967	160	486	471	224	306	98	1,745
1968	168	505	479	254	358	116	1,880
1969	214	545	514	281	395	128	2,077
1970	289	616	493	240	387	114	2,139
1971	299	631	530	244	413	154	2,139
1972	294	692	580	265	460	176	2,467

1. Reported in pulp and paper industry only. Wood pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "other boxboard".

2. Canadian Pulp and Paper Association estimates.

Source: Statistics Canada.

Exports of paper (except newsprint) and paperboard, tonnage	Groundwood printing & specialty paper	Other printing, book & writing paper	Wrapping paper	Tissue & sanitary paper	Paperboard	Building board	Other paper & board ¹	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1962	40	33	36	13	129	24	94	369
1963	49	33	31	12	169	33	113	440
1964	69	42	32	15	178	42	131	509
1965	86	44	29	12	186	58	142	557
1966	130	42	47	14	254	39	172	698
1967	117	66	100	19	244	40	141	727
1968	50	112	111	18	250	62	155	758
1969	126	118	99	16	282	67	157	865
1970	153	146	112	18	316	64	161	1,010
1971	169	176	143	13	329	64	260	1,158
1972	236	118	218	18	385	92	346	1,413

Note: In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Tables 45 and 46. Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in Table 47.

1. Coated paper (except machine coated), asphalt shingles and roofing and building paper, special industrial paper, wet machine board, mutilated newsprint, beater stock, rejects and waste paper, n.e.s.; also special industrial paper prior to 1972, now counted with wrapping paper.

Source: Statistics Canada.

Exports of paper (except newsprint) and paperboard, value	Groundwood printing & specialty paper ¹	Other printing, book & writing paper	Wrapping paper	Tissue & sanitary paper	Paperboard	Building board	Other paper & board	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1962	6,620	7,937	5,712	3,004	14,914	2,417	5,594	46,198
1963	7,717	8,430	5,312	2,597	19,621	3,397	7,234	54,308
1964	10,934	10,551	5,708	3,471	20,454	4,472	8,628	64,218
1965	13,922	10,984	5,348	2,820	21,300	6,007	9,714	70,095
1966	21,738	11,198	8,183	3,193	29,732	4,436	12,284	90,764
1967	19,893	15,623	14,992	4,169	28,207	4,316	10,309	97,509
1968	9,030	23,481	16,399	4,193	27,668	6,452	11,000	98,223
1969	21,932	26,768	15,050	4,122	31,836	7,582	11,883	119,173
1970	25,138	44,997	18,125	4,785	37,078	7,108	11,763	148,994
1971	27,100	42,680	22,265	3,371	36,142	6,925	17,889	156,372
1972	39,317	43,308	37,048	4,778	45,619	11,851	16,894	198,815

Note: See footnotes accompanying Table 44.
Source: Statistics Canada.

Exports of paper (except newsprint) and paperboard, by areas	United States	United States	United Kingdom	United Kingdom	Other countries	Other countries	All countries	All countries
	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000
1962	156	15,441	161	21,770	52	8,987	369	46,198
1963	184	18,574	189	25,897	67	9,837	440	54,308
1964	211	21,958	195	28,169	103	14,091	509	64,218
1965	221	28,942	192	25,846	104	15,307	557	70,095
1966	309	35,229	242	35,254	147	20,281	698	90,764
1967	284	36,978	302	39,532	141	20,999	727	97,509
1968	307	38,947	288	37,137	163	22,139	758	98,223
1969	394	58,012	264	34,169	207	26,992	865	119,173
1970	452	71,281	295	42,736	263	34,977	1,010	148,994
1971	575	79,003	296	41,218	281	36,151	1,152	156,372
1972	731	96,471	320	51,353	362	50,991	1,413	198,815

Source: Statistics Canada.

Exports of paper products	Paper bags & multi-wall sacks	Paper containers & parts ¹ (n.e.s.)	Wall paper	Packaged toilet paper	Notebooks scribblers & pads	Stationery paper office supplies (n.e.s.)	Converted paper (n.e.s.)	Paper end products (n.e.s.)	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1962	499	1,110	1,645	644	161	369	416	141	4,985
1963	484	1,128	1,665	955	224	450	1,551	172	6,629
1964	579	1,350	1,805	972	253	531	3,394	135	9,019
1965	679	1,320	1,832	631	199	767	3,343	145	8,916
1966	671	1,191	2,330	680	188	808	3,005	179	9,052
1967	473	1,677	2,774	753	135	783	2,521	220	9,336
1968	678	1,642	4,143	780	81	986	4,624	523	13,457
1969	403	2,416	5,326	965	115	860	4,750	771	15,606
1970	658	4,172	5,111	666	273	948	6,303	617	18,748
1971	470	3,230	5,646	466	120	1,154	6,793	720	18,599
1972	655	4,450	6,442	456	31	1,426	8,804	528	22,787

1. Shipping and distribution containers, boxes and cartons, of paper, paperboard and fibreboard, and parts.

n.e.s.: not elsewhere specified.

Source: Statistics Canada.

Imports of paper and paperboard, and paper goods	Fine papers	Tissue and sanitary papers	Wrapping papers	Specialty papers	Building papers and boards	Paper-board	Paper and Paper goods
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	\$'000
1953	12	6	1	4	28	42	39,208
1954	15	7	4	4	32	52	43,558
1955	17	8	4	5	33	67	52,690
1956	18	9	4	6	42	78	62,217
1957	17	11	6	5	38	79	62,249
1958	20	12	9	5	37	84	65,735
1959	21	12	5	6	43	86	68,273
1960	20	11	4	5	43	81	68,910
1961	22	9	5	5	37	108	75,717
1962	22	8	3	6	33	98	80,379
1963	23	7	4	6	28	91	76,644
1964	21	7	12	8	28	84	79,255
1965	23	9	7	8	30	90	87,551
1966	25	7	5	8	32	84	97,001
1967	25	6	6	7	31	91	103,058
1968	31	10	17	10	36	94	110,239
1969	46	9	16	11	42	100	126,264
1970	46	8	11	13	29	116	127,905
1971	56	10	14	15	37	148	145,664
1972	60	12	17	27	56	131	166,994

Note: This table covers all imports reported in classifications used prior to 1st January 1964 as well as in subsequent classifications to date.

Source: Statistics Canada.

Other paper and paperboard annual productive capacity	Ground-wood printing & specialty	Other printing book & writing ¹	Kraft papers	Tissue sanitary & special ²	Boxboard	Container-board
1972	550	756	636	381	699	1,398
1973	607	784	649	390	751	1,773
1974	625	789	659	392	779	1,956
1975	650	791	663	393	801	2,017

Source: Canadian Pulp and Paper Association estimates. Capacity Survey 1972-5.

¹includes off-machine coating capacity.

²includes glassine and greaseproof paper.

VI. National Significance

50	Pulp and paper production and the national income	
	Gross production of industry	Gross national product ¹
	\$'000,000	\$'000,000
1926	215	5,152
1930	216	5,728
1935	159	4,315
1940	298	6,743
1945	399	11,835
1950	954	18,006
1955	1,327	27,132
1956	1,453	30,585
1957 ²	1,416	31,909
1958 ²	1,398	32,894
1959 ²	1,502	34,915
1960 ²	1,583	36,287
1961 ²	1,633	37,471
1962 ²	1,716	40,575
1963 ²	1,793	43,424
1964 ²	1,984	47,393
1965 ²	2,104	52,203
1966 ²	2,298	58,104
1967 ²	2,301	65,722
1968 ²	2,447	71,388
1969 ²	2,771	79,749
1970 ²	2,851	85,449
1971 ²	2,835	93,094
1972 ²	3,063 ³	102,935 ⁴

1. The gross national product is the market value of all goods and services produced in Canada.
2. All principal statistics of manufactures (i.e. number of establishments, number of employees, total salaries and wages paid, cost of fuel, electricity and materials used, selling value of factory shipments and value added by manufacture or net value) shown in this publication for the years 1957 to 1960 have been revised by the Dominion Bureau of Statistics on the basis of the new Standard Industrial Classification adopted as of 1st January 1960 and of the new Establishment (reporting unit) Concept adopted as of 1st January 1961. Because of these changes, principal statistics for years prior to 1957 are not fully comparable with those for the years that follow. See also footnote 6, Table 64.
3. Canadian Pulp and Paper Association estimate.
4. Preliminary.
- Source : Statistics Canada.

51	Pulp and paper exports and Canadian trade		
	Pulp & paper exports	Total domestic exports of Canada	Pulp & paper exports to total exports
	\$'000	\$'000	%
1919	97,168	1,253,958	7.86
1920	163,128	1,268,015	12.86
1925	154,556	1,239,554	12.47
1930	177,590	863,684	20.56
1935	121,667	724,977	16.78
1940	231,810	1,178,954	19.66
1945	309,067	3,218,330	9.60
1950	713,870	3,118,387	22.89
1955	991,543	4,281,784	23.16
1956	1,045,828	4,789,746	21.83
1957	1,043,559	4,839,094	21.56
1958	1,010,147	4,823,347	20.91
1959	1,073,485	5,060,710	21.21
1960	1,123,824	5,255,575	21.38
1961	1,151,558	5,754,986	20.00
1962	1,174,145	6,178,523	19.00
1963	1,226,130	6,798,538	18.04
1964	1,368,731	8,094,360	16.91
1965	1,442,097	8,525,078	16.92
1966	1,588,106	10,070,627	15.77
1967	1,605,539	11,111,580	14.45
1968	1,729,386	13,250,960	13.05
1969	2,014,069	14,503,638	13.89
1970	2,063,365	16,491,091	12.51
1971	2,057,932	17,575,386	11.71
1972	2,196,442	19,500,135	11.26

Source : Statistics Canada.

52	Growth of the industry		
	Pulp and paper mills	Total employees ¹	Total production ²
			\$'000
1871	21	760	1,072
1881	41	1,588	2,510
1891	58	2,817	3,633
1901	53	6,236	8,628
1911	72	9,766	23,226
1921	100	24,619	151,003
1931	103	26,669	174,734
1941	106	37,154	334,726
1945	109	39,996	398,805
1947	115	49,946	706,972
1949	123	52,050	836,148
1950	123	52,343	954,138
1951	126	57,291	1,237,897
1952	128	57,803	1,157,888
1953	127	58,194	1,179,665
1954	125	60,837	1,241,665
1955	125	62,205	1,326,938
1956	126	65,985	1,453,442
1957	127	66,067	1,415,821
1958	127	64,199	1,398,349
1959	126	65,162	1,502,312
1960	126	65,772	1,583,107
1961	125	65,799	1,632,834
1962	125	64,885	1,716,300
1963	126	65,049	1,793,231
1964	131	67,729	1,984,114
1965	132	69,897	2,104,425
1966	135	73,501	2,297,662
1967	137	74,136	2,301,044
1968	137	73,498	2,446,874
1969	137	75,427	2,771,276
1970	139	80,371 ³	2,850,835
1971	142	79,397 ³	2,835,267
1972	142	78,538 ⁴	3,063,048

1. Woods employees not included.
2. See footnote 2, Table 50 and footnote 6, Table 64.
3. See footnote 2, Table 58.
4. Canadian Pulp and Paper Association estimates.
- Source : Statistics Canada.

53	Principal Canadian exports	
	1972	1971
	\$'000	\$'000
Passenger automobiles and chassis	2,169,463	2,062,193
Motor vehicle parts, except engines	1,220,798	978,517
Lumber	1,173,988	829,485
Newsprint	1,157,509	1,084,478
Crude petroleum	1,007,505	787,397
Wheat	917,649	833,153
Wood pulp	817,336	798,141
Trucks, truck tractors and chassis	632,434	524,456
Motor vehicle engines and parts	514,733	441,714
Copper and alloys	391,358	384,554
Aluminum, including alloys	382,385	449,508
Nickel in ores, concentrates and scrap	375,118	407,445
Iron ores and concentrates	352,681	413,333
Nickel and alloys	313,812	319,504
Natural gas	306,843	250,719

Source : Statistics Canada.

54

Capital and repair expenditures

	Capital construction	Capital machinery & equipment	Repair construction	Repair machinery & equipment	Total expenditures
	\$'000'000	\$'000'000	\$'000'000	\$'000'000	\$'000'000
1960	27.8	113.5	7.8	84.8	233.9
1961	33.1	105.3	7.7	92.6	238.7
1962	34.5	113.3	10.5	96.2	254.5
1963	36.4	145.2	11.0	96.8	289.4
1964	64.7	229.0	9.2	112.7	415.6
1965	102.2	281.6	12.9	118.5	515.2
1966	127.2	379.2	12.3	139.1	657.8
1967	99.0	319.5	10.6	158.1	587.2
1968	58.2	181.9	10.7	157.0	407.9
1969	97.1	228.6	11.5	177.0	514.2
1970	122.3	366.0	12.5	189.8	690.6
1971	128.3	377.9	11.6	207.0	724.8
1972	103.4	289.0	12.6	217.2	622.2
1973	67.6	274.1	13.8	231.4	586.9

Note: 1960-71, Actual Expenditures; 1972, Preliminary Actual; 1973, Intentions.
Source: Statistics Canada, Business Finance Division.

55

Ten leading Canadian manufacturing industries 1970¹

	Salaries and wages	Salaries and wages rank ²	Employment	Employment rank ²	Value added by manufacture	Added value rank ²	Selling value of factory shipments	Selling value rank ⁴
	\$'000				\$'000		\$'000	
Pulp and paper mills	701,395	1	80,371	1	1,321,792	1	2,851,739	2
Motor vehicle manufacturers	371,804	4	38,145	6	664,423	3	2,962,528	1
Slaughtering and meat processors	228,480	8	31,099	8	362,609	8	2,061,419	3
Petroleum refining	153,598	10	14,725	10	331,965	10	1,758,940	4
Iron and steel mills	423,985	2	49,169	3	835,956	2	1,691,662	5
Dairy products industry	196,934	9	30,657	9	346,014	9	1,369,206	6
Miscellaneous machinery and equipment manufacturers	395,673	3	51,896	2	650,722	4	1,277,801	7
Motor vehicle parts and accessories manufacturers	309,574	6	38,866	5	541,079	6	1,272,154	8
Sawmills and planing mills	314,014	5	48,776	4	436,043	7	1,135,377	9
Smelting and refining	305,885	7	37,298	7	552,540	5	1,080,015	10

1. Latest available.

2. Rank among ten leading industries listed.

3. Covers only mill workers.

4. Rank in Canadian Manufacturing Industries as a whole.

Source: Statistics Canada.

Principal statistics by provinces, 1971

	Mills	Employees ¹	Salaries and wages ¹	Cost of fuel and electricity	Cost of materials used	Selling value of factory shipments	Value added by manufacture
			\$'000	\$'000	\$'000	\$'000	\$'000
Newfoundland	2	2,568	24,757	5,253	29,402	64,943	31,655
Nova Scotia	6	2,432	21,106	8,030	40,158	80,936	34,323
New Brunswick	11	5,214	47,288	21,900	114,464	186,697	54,164
Quebec	55	30,094	273,598	84,646	479,584	1,027,023	462,832
Ontario	37	21,305	190,348	58,158	339,829	728,289	330,373
Manitoba, Saskatchewan and Alberta	10	1,753	15,729	5,275	41,707	84,587	43,540
British Columbia	21	16,031	112,782	49,723	318,423	659,792	315,664
Total	142	79,397	745,608	232,985	1,363,567	2,832,267	1,272,551

1. Woods employees not included.

Source: Statistics Canada.

Canadian consumption of paper and paperboard¹

	Newsprint	Paperboard	Wrapping paper	Fine paper	Tissue & sanitary papers	Other paper & boards
	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.
1951	51.4	112.5	34.8	32.2	12.9	3.6
1952	51.0	100.3	29.1	27.1	11.1	3.0
1953	53.7	112.1	31.1	29.2	12.3	3.1
1954	55.1	107.7	31.5	30.4	13.0	2.8
1955	54.8	112.2	31.8	31.0	14.1	2.9
1956	59.3	121.6	34.5	34.3	15.6	2.9
1957	55.0	112.7	31.8	33.1	15.6	2.7
1958	50.9	119.2	31.6	32.9	16.2	2.3
1959	54.1	121.0	33.6	35.3	17.0	2.4
1960	54.5	117.2	32.8	34.9	16.5	2.0
1961	53.9	115.6	31.8	35.2	17.5	2.3
1962	54.9	122.5	32.1	35.9	17.9	2.4
1963	55.2	127.2	33.6	37.6	20.7	2.1
1964	57.1	137.7	34.3	40.6	19.7	2.2
1965	60.1	147.7	35.7	42.8	19.6	2.4
1966	62.0	151.7	38.8	46.6	17.7	2.1
1967	62.5	151.7	36.2	51.1	20.6	2.3
1968	65.1	152.2	36.1	51.6	21.0	3.2
1969	67.4	163.1	40.2	53.4	21.5	2.8
1970	65.9	153.8	33.5	57.5	21.6	2.9
1971	66.6	155.8	37.2	59.4	22.3	3.1
1972 ²	71.5	165.3	34.8	58.9	23.7	3.1

Note: These figures do not include tonnages imported as converted paper products, such as books, magazines, advertising matter, packages, etc.

1. Consumption data for building papers and building boards are not included because much less than 100 per cent of the total national production of these commodities is produced by the pulp and paper industry.

2. Preliminary estimates.

Sources: Statistics Canada and Canadian Pulp and Paper Association.

Employees and wages

	Total employees	Total salaries & wages \$'000
1953	58,194	235,742
1954	60,837	252,598
1955	62,205	265,298
1956	65,985	297,572
1957 ¹	66,067	307,990
1958 ¹	64,199	307,872
1959 ¹	65,162	322,936
1960 ¹	65,772	345,093
1961 ¹	65,799	355,171
1962 ¹	64,885	355,245
1963 ¹	65,049	364,513
1964 ¹	67,729	394,136
1965 ¹	69,897	423,732
1966 ¹	73,501	486,249
1967 ¹	74,136	516,724
1968 ¹	73,498	552,162
1969 ¹	75,427	611,591
1970 ^{1,2}	80,371	701,395
1971 ^{1,2}	79,397	745,608
1972 ^{1,2,3}	78,538	801,379

Note: Woods employees not included.

1. See footnote 2, table 50.

2. Since 1970 employees and payrolls of most head offices, administrative offices, warehouses and other ancillary units are included instead of only those at the manufacturing locations as formerly.

3. Canadian Pulp and Paper Association estimates.

Source: Statistics Canada.

59

Capital and employees ³	Capital employed ¹	Employees ²	Capital employed per employee
	\$'000		\$'000
1952	1,704,345	57,803	29,485
1953	1,809,225	58,194	31,090
1954	1,899,149	60,837	31,222
1955	2,035,489	62,205	32,721
1956	2,315,889	65,985	35,097
1957	2,678,644	66,067	40,544
1958	2,846,672	64,169	44,341
1959	2,971,854	65,162	45,607
1960	3,141,876	65,772	47,769
1961	3,284,635	65,799	49,919
1962	3,426,343	64,885	52,806
1963	3,660,469	65,049	56,415
1964	3,662,134	67,729	54,070
1965	4,119,574	69,897	58,938
1966	4,736,749	73,501	64,445
1967	5,308,645	74,136	71,755
1968	5,653,842	73,498	76,925
1969	6,277,713	75,427	83,229
1970	6,942,226	80,371	86,377
1971	7,654,502	79,397	96,660
1972 ⁴	8,316,345	78,538	105,889

1. Canadian Pulp and Paper Association estimates based on data compiled by Statistics Canada, Business Finance Division, on "Fixed Capital Flows and Stocks, Manufacturing, Canada, 1926-1969" and supplements. Estimates for years prior to 1968 revised on the basis of revised estimates of building and engineering construction price indexes.

2. Woods employees not included.

3. See footnote 2, Table 50 and footnote 2, Table 60.

4. Preliminary.

60

Payrolls and weekly earnings in important industries	Year	Average number of employees	Average weekly payrolls	Average weekly earnings
			\$	\$
Pulp and paper mills	1971	74,636	13,255,333	177.59
	1972	73,829	14,246,832	192.93
Electrical products	1971	118,394	17,176,093	145.06
	1972	119,279	18,366,308	155.94
Motor vehicles	1971	92,004	16,324,897	177.42
	1972	97,012	18,943,092	195.13
Chemical products	1971	69,280	11,150,020	160.98
	1972	68,254	11,870,962	173.92
Smelting and refining	1971	34,900	5,951,042	170.54
	1972	32,114	5,973,277	186.03
Aircraft and parts	1971	23,603	3,943,857	167.53
	1972	22,824	4,110,294	180.05
Iron and steel mills	1971	47,206	8,327,159	176.38
	1972	47,930	9,216,728	192.28
Slaughtering and meat processing	1971	28,763	4,220,638	146.70
	1972	28,473	4,489,161	157.62
Rubber products	1971	24,187	3,539,411	146.27
	1972	25,762	4,143,404	160.77
Shipbuilding and repairing	1971	13,452	2,096,257	155.78
	1972	16,293	2,732,576	167.57

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper mills payrolls do not include woods workers.

Source: Statistics Canada.

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Operations and mills 1972	Producing companies	Producing mills
Groundwood	27	54
Mechanical screenings	7	8
Dissolving and special alpha (sulphite and sulphate)	3	5
Bleached sulphite (paper pulp)	10	12
Unbleached sulphite (strong)	9	10
Unbleached sulphite (news grade)	15	29
Sulphate and soda pulp, bleached	29	35
Sulphate and soda pulp, semi-bleached	12	22
Sulphate and soda pulp, unbleached	20	25
Chemical screenings	10	17
Semi-chemical pulp	8	11
Defibrated and exploded pulps	7	11
Newsprint	21	44
Groundwood and specialty papers	11	16
Book paper	5	15
Fine papers	7	17
Miscellaneous fine papers	4	13
Tissue paper other than sanitary	5	7
Sanitary papers	10	16
Wrapping papers	7	13
Building papers	15	24
Paperboards	27	43
Building boards	8	13
Wet machine boards	1	1
Paper products	13	24

Sources: Canadian Pulp and Paper Association and Statistics Canada.

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Principal statistics of the paper converting industries	1971	1970
Number of establishments	500	496
Number of employees	43,312	40,699
	\$'000	\$'000
Salaries and wages paid	293,698	271,718
Cost of fuel and electricity	10,701	9,632
Cost of materials used	659,803	618,324
Selling value of factory shipments	1,168,584	1,079,686
Value added by manufacture	526,846	446,000

Note: These figures cover only converted paper products produced in the Folding Boxes and Set-up Boxes, Corrugated Boxes, Paper Bag, Miscellaneous Paper, and Asphalt Roofing industries. In addition, some 20 paper-mills have converting plants whose operations are included in the Pulp and Paper industry, and there are also several plants in the Printing Trades and other industries which make paper boxes and other converted paper commodities as secondary products.

Source: Statistics Canada.

Car loadings	1972	1972	1971	1971
	Cars	Tons	Cars	Tons
Forest products	755,872	35,137,886	723,851	32,046,779
Pulp and paper	230,585	11,637,122	225,554	11,035,482
Pulpwood (roundwood and chips)	215,254	10,897,193	230,602	10,564,626
Other forest products	310,035	12,603,571	267,695	10,446,671
Total carload traffic loaded	3,810,113	212,390,026	3,821,356	211,851,990

Source: Statistics Canada, Monthly "Railway Carloadings" report for December.

Summary of shipments of goods of own manufacture	Wood pulp	Newsprint	Other basic paper and paperboard	Building boards ¹	Converted paper products ²	Other products ³	By-products ⁴	Amount received for work done ⁵	Total value of shipments & work done ⁶
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$,000
1956	366,819	734,426	288,409	25,582	32,217	1,413	2,624	1,952	1,453,442
1957	334,962	724,613	286,061	25,275	35,074	1,360	2,557	2,032	1,411,934
1958	325,587	694,067	300,520	27,081	41,162	1,901	2,609	1,752	1,394,679
1959	360,294	732,849	323,363	30,849	44,310	1,433	3,176	1,768	1,498,042
1960	368,598	793,470	334,401	28,846	47,492	1,028	2,923	1,969	1,578,727
1961	392,655	804,641	352,964	29,237	48,684	1,343	6,409	2,049	1,637,982
1962	436,920	819,079	371,419	33,218	52,626	5,910	8,270	1,840	1,729,282
1963	479,040	809,247	401,667	34,598	54,708	7,418	10,175	1,548	1,789,401
1964	548,505	887,612	431,398	37,405	54,351	17,262	11,168	2,173	1,989,874
1965	592,238	927,832	462,078	39,119	56,248	20,676	12,417	2,188	2,112,796
1966	630,154	1,025,048	519,528	35,257	57,449	22,112	13,714	3,175	2,306,436
1967	630,604	998,020	544,706	36,604	60,971	23,667	13,800	1,401	2,309,773
1968	719,397	1,015,794	558,821	41,430	76,768	37,258	15,560	1,115	2,466,143
1969	862,098	1,114,707	618,444	48,263	91,270	37,635	18,649	296	2,791,362
1970	913,287	1,106,688	650,527	45,651	97,894	32,400	18,190	198	2,864,835
1971	878,132	1,083,225	668,622	53,067	95,180	48,475	17,693	532	2,844,926

1. Rigid insulating (homogeneous or laminated) softboard for all purposes and all types of hardboard, as reported by establishments classified as pulp and paper mills.
2. Such as packaged toilet paper, paper towels and napkins, paper bags, gummed tape, etc.
3. Not made from wood pulp, paper or paperboard.
4. Such as newsprint and kraft side-runs, vanillin, acid liquors, steam sold, etc.
5. On materials and products owned by others.
6. Unadjusted value of shipments and work done, representing the sum of the items shown.

Since 1957 questions covering value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items, as required, have been added to Census of Industry questionnaires; the answers have resulted in the adjusted values shown in Table 50 (q.v.) and elsewhere. The unadjusted values are more comparable to the values shown for production prior to 1956, which obviously comprised similar undeducted taxes, duties and charges.

Source: Statistics Canada.

Price indexes for selected commodities	1961 = 100					
	Fine paper writing & reproduction (domestic)	Container board liner board (domestic)	Bleached sulphite wood pulp (export)	Bleached sulphate wood pulp (export)	Unbleached sulphate wood pulp (export)	Newsprint (white) in rolls (export)
1956	89.3	100.6	112.0	104.5	103.2	95.4
1961	100.0	100.0	100.0	100.0	100.0	100.0
1962	100.0	100.0	103.0	101.4	101.5	105.9
1963	100.7	100.1	102.4	101.0	106.0	107.0
1964	103.2	101.0	108.2	106.2	114.3	106.8
1965	104.1	101.0	112.2	111.1	113.9	106.7
1966	108.8	100.4	112.1	109.1	114.6	109.4
1967	114.5	101.2	112.2	108.0	115.3	112.7
1968	113.0	101.5	111.5	103.7	112.0	113.4
1969	117.8	103.0	114.3	109.6	115.7	117.2
1970	120.2	103.9	125.4	119.7	131.9	116.8
1971	122.4	104.9	122.0	118.2	126.9	116.4
1972	125.3	107.8	118.0	110.3	117.8	119.5

Source: Statistics Canada.

VII. World Figures

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World production and consumption of wood pulp

	Production 1960	Production 1970	Production 1971	Consumption 1960	Consumption 1970	Consumption 1971
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
North America	36,777	60,524	61,978	35,480	55,412	57,426
<i>Canada</i>	11,461	18,308	18,234	8,924	12,778	12,343
<i>United States</i>	25,316	42,216	43,744	26,556	42,634	45,083
Western Europe	17,269	28,125	27,021	17,515	29,342	28,680
<i>Austria</i>	778	1,029	1,025	587	973	1,000
<i>Belgium</i>	160	375	398	366	690	729
<i>Denmark</i>	26	148	134	106	158	96
<i>Finland</i>	4,078	7,133	6,877	2,329	4,860	5,223
<i>France</i>	1,255	1,974	1,995	2,043	3,244	3,149
<i>Germany (West)</i>	1,601	1,911	1,848	2,358	3,717	3,412
<i>Greece</i>	1	1	1	62	120	105
<i>Ireland</i>	24	38	40	68	80	81
<i>Italy</i>	486	1,018	924	1,119	2,522	2,005
<i>Netherlands</i>	137	207	178	542	1,025	861
<i>Norway</i>	1,813	2,608	2,337	979	1,688	1,601
<i>Portugal</i>	92	463	493	99	143	174
<i>Spain</i>	166	663	706	279	1,007	1,004
<i>Sweden</i>	6,185	9,785	9,393	2,965	5,668	5,752
<i>Switzerland</i>	262	296	257	370	542	456
<i>United Kingdom</i>	206	477	416	3,243	3,905	3,032
Latin America (except Cuba)	846	1,768	1,822	1,176	2,265	2,312
<i>Argentina</i>	49	216	225	138	413	410
<i>Brazil</i>	498	727	818	605	714	857
<i>Chile</i>	112	406	376	127	296	274
<i>Colombia</i>	1	62	62	31	130	120
<i>Mexico</i>	187	352	341	241	491	420
<i>Peru</i>	1	2	3	3	40	36
<i>Uruguay</i>	1	3	3	3	39	36
<i>Venezuela</i>	1	1	3	34	142	159 ²
Africa, Middle East, other Asia (except China), Oceania	4,850	12,307	12,215	5,139	13,837	12,977
<i>Morocco</i>	1	45	3	3	25	3
<i>Republic of South Africa</i>	262	713	726	190	528	510
<i>Swaziland</i>	3	112	3	3	9	3
<i>United Arab Republic, Egypt</i>	1	1	1	32	39	33
<i>Israel</i>	1	1	1	19	69	62
<i>Turkey</i>	41	155	183	49	167	197
<i>India</i>	20	28	33 ²	80	105	73
<i>Japan</i>	3,884	9,695	9,958	4,013	10,689	10,633
<i>Korea</i>	1	88	3	3	305	3
<i>Pakistan</i>	26	38	3	29	61	3
<i>Philippines</i>	1	1	3	3	48	3
<i>South Viet Nam</i>	1	1	3	3	19	3
<i>Taiwan</i>	16	136	3	28	191	3
<i>Australia</i>	308	616	675	475	881	924
<i>New Zealand</i>	293	635	640	224	548	545
<i>All others</i>	1	46	3	3	153	3
Sub total	59,742	102,724	103,036	59,310	100,856	101,395
Other Countries						
<i>Bulgaria</i>	36	101	3	363	170	3
<i>China</i>	661	1,157	3	716	1,209	3
<i>Cuba</i>	1	1	1	3	42	3
<i>Czechoslovakia</i>	598	756	3	565	819	3
<i>Germany (East)</i>	1,642	783	3	753	937	3
<i>Hungary</i>	48	83	3	110	207	3
<i>Poland</i>	497	705	3	582	839	3
<i>Romania</i>	145	468	3	151	479	3
<i>U.S.S.R.</i>	3,451	7,401	7,819	3,351	7,224	7,642 ²
<i>Yugoslavia</i>	233	533	475	204	581	509 ²
Sub total	7,311	11,987	8,294	6,796	12,509	8,151
Total	67,053	114,711	111,330	66,195	113,365	109,506

1. Nil.

2. Estimated

3. Not available.

Source: Canadian Pulp and Paper Association and American Paper Institute — Pulp and Raw Materials Group. Some estimates for Other Countries based on F.A.O. data.

World production of wood pulp, by grades	1960	1970	1971
	'000 Tons	'000 Tons	'000 Tons
America, Western Europe			
Asia (except China), Africa, Oceania	59,697	102,760	103,807
Chemical wood pulp	37,962	68,623	68,698
Dissolving and special alpha	3,447	4,417	4,362
Sulphite	10,340	11,172	10,348
Sulphate	23,566	52,756	53,667
Soda	609	277	321
Semi-chemical wood pulp	2,736	6,376	6,660
Mechanical wood pulp	18,828	27,420	28,120
Screenings	171	341	329
Eastern Europe, U.S.S.R. and China	6,930	11,972	12,444
Chemical wood pulp	4,684	9,006	9,411
Other grades	2,246	2,966	3,033
World	66,627	114,732	116,251
Chemical wood pulp	42,646	77,629	78,109
Other Grades	23,981	37,103	38,142

Sources: Canadian Pulp and Paper Association and American Paper Institute — Pulp and Raw Materials Group.

World exports of wood pulp, by countries	1960	1970	1971
	'000 Tons	'000 Tons	'000 Tons
North America			
Canada	2,601	5,581	5,676
United States	1,142	3,095	2,175
Western Europe			
Austria	224	144	124
Belgium	4	106	109
Denmark	15	79	72
Finland	1,749	2,272	1,654
France	65	183	178
Germany (West)	103	65	48
Ireland	1	9	1
Italy	4	5	6
Netherlands	2	15	4
Norway	884	1,093	848
Portugal	50	352	343
Spain	1	23	19
Sweden	3,231	4,146	3,669
Switzerland	21	19	10
Latin America			
Brazil	3	44	37
Chile	15	113	106
Africa, Asia (except China), Oceania			
Morocco	1	41	2
Republic of South Africa	82	237	261
Swaziland	5	103	2
Japan	23	13	54
Taiwan	2	17	2
Australia	1	1	1
New Zealand	78	108	111
Sub total	10,296	17,863	15,444
Other countries			
Bulgaria	1	194	2
Czechoslovakia	49	29	2
Germany (East)	2	2	2
Hungary	1	74	2
Romania	2	444	2
Poland	3	594	2
U.S.S.R.	283	494	2
Yugoslavia	49	51	394
Sub total	381	703	39
Total	10,677	18,566	15,483

1. Nil.

2. Not available.

3. Negligible amount.

4. Estimated.

5. With Republic of South Africa.

Sources: Canadian Pulp and Paper Association and American Paper Institute — Pulp and Raw Materials Group, except some estimates for Other Countries based on F.A.O. data.

World forestry data	Area of productive forest ¹ 1963	Growing stock conifers ² 1963	Growing stock non- conifers ² 1963	Roundwood average annual production ³ 1967-70 industrial wood	Roundwood average annual production ³ 1967-70 fuelwood ⁴
	'000,000 acres	billion cu. ft.	billion cu. ft.	'000,000 cu. ft.	'000,000 cu. ft.
Canada	554	671	176	3,928	161
United States	474	494	212	10,867	737
Central America	126	7	21	337	1,093
South America	741	18	2,720	1,249	6,904
Africa	692	4	131	1,218	8,056
Europe	299	268	152	8,854	2,365
U.S.S.R.	1,730	2,331	459	10,255	3,187
Asia	815	212	388	5,543	12,537
Pacific Area	119	14	120	688	246
Total	5,550	4,019	4,379	42,939	35,286

1. Excludes unstocked and unclassified forest lands and protection forests.

2. Covers 55% forest area. Covers most of the coniferous but only a small part of the non-coniferous forest area. Includes bark.

3. Does not include bark.

4. Including wood for charcoal.

Source: FAO Yearbooks of Forest Products Statistics 1968, 1969 and 1970, as reported by Economics Institute, Canadian Forestry Service, Department of Environment.

World production and consumption of newsprint

	Production 1960	Production 1970	Production 1971	Consumption 1960	Consumption 1970	Consumption 1971
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
North America	8,777	11,917	11,593	7,866	10,337	10,278
<i>Canada</i>	6,739	8,607	8,297	487	716	720
<i>United States</i>	2,038	3,310	3,296	7,379	9,621	9,558
Western Europe	3,970	5,741	5,480	3,848	5,750	5,393
<i>Austria</i>	152	188	188	52	97	97
<i>Belgium and Luxembourg</i>	104	105	123	131	198	214
<i>Denmark</i>	1	1	1	98	174	143
<i>Finland</i>	744	1,263	1,262	87	113	116
<i>France</i>	485	475	419	548	668	626
<i>Greece</i>	1	1	1	24	34	41
<i>Germany (West)</i>	254	449	486	588	1,163	1,169
<i>Ireland</i>	5	5	2	39	59	51
<i>Italy</i>	163	301	294	167	269	267
<i>Netherlands</i>	160	161	140	190	394	353
<i>Norway</i>	247	605	590	53	87	87
<i>Portugal</i>	18	1	2	26	47	38
<i>Spain</i>	66	163	152	74	223	193
<i>Sweden</i>	641	1,070	1,069	211	328	298
<i>Switzerland</i>	99	158	119	95	177	171
<i>United Kingdom</i>	831	834	634	1,463	1,688	1,526
<i>Other countries</i>	1	1	1	2	4	3
Latin America (except Cuba)	140	310	281	662	1,300	1,164
<i>Argentina</i>	10	1	1	159	285	242
<i>Brazil</i>	59	125	116	204	289	299
<i>Chile</i>	57	141	123	30	52	53
<i>Colombia</i>	1	1	1	36	62	57
<i>Mexico</i>	13	44	42	110	315	228
<i>Peru</i>	1	1	1	20	54	66
<i>Venezuela</i>	1	1	1	26	92	67
<i>Other countries</i>	1	1	1	78	151	152
Africa, Middle East, other Asia (except China), Oceania	1,114	2,907	2,996	1,779	3,854	3,890
<i>Republic of South Africa</i>	1	120	130	84	178	167
<i>United Arab Republic, Egypt</i>	1	1	1	25	31	38
<i>Rhodesia</i>	1	8	8	7	8	8
<i>Israel</i>	5	11	6	7	32	33
<i>Turkey</i>	11	12	44	23	85	76
<i>Cambodia</i>	1	1	1	3	2	1
<i>Hong Kong</i>	1	1	1	22	50	59
<i>India</i>	25	44	44	106	186	244
<i>Indonesia</i>	1	1	1	22	34	35
<i>Japan</i>	810	2,113	2,160	804	2,176	2,162
<i>Korea</i>	30	114	118	47	122	133
<i>Pakistan</i>	24	40	30	22	39	35
<i>Philippines</i>	1	1	1	39	50	64
<i>Thailand</i>	1	1	1	20	28	40
<i>Taiwan</i>	13	17	19	11	32	34
<i>Australia</i>	100	192	197	372	500	432
<i>New Zealand</i>	95	236	240	75	106	119
<i>Other countries</i>	1	1	1	93	194	210
Sub total	14,001	20,912	20,350	14,156	21,213	20,725
Other countries (estimates)						
<i>Bulgaria</i>	1	1	2	14	39	2
<i>Cuba</i>	16	1	2	45	27	2
<i>Czechoslovakia</i>	37	86	2	31	55	2
<i>Germany (East)</i>	98	107	2	94	136	2
<i>Hungary</i>	1	1	2	24	59	2
<i>Poland</i>	85	97	2	60	98	2
<i>Romania</i>	49	58	2	45	64	2
<i>U.S.S.R.</i>	478	1,214	2	391	1,023	2
<i>Yugoslavia</i>	31	83	2	41	97	2
<i>China</i>	2	2	2	2	2	2
Sub total	794	1,643	2	745	1,598	2
Total	14,957	22,555	2	15,065	22,839	2

1. Nil.

2. Not available.

3. Less than 500 tons.

Source: Annual World Surveys compiled by the Canadian Pulp and Paper Association.

World exports of newsprint	1960	1970	1971
	'000 Tons	'000 Tons	'000 Tons
North America			
<i>Canada</i>	6,265	7,876	7,490
<i>United States</i>	135	144	166
Western Europe			
<i>Austria</i>	100	91	91
<i>Belgium and Luxembourg</i>	46	28	28
<i>Finland</i>	660	1,146	1,140
<i>France</i>	28	2	2
<i>Germany (West)</i>	1	52	63
<i>Italy</i>	9	47	29
<i>Netherlands</i>	47	39	31
<i>Norway</i>	192	524	485
<i>Portugal</i>	1	1	1
<i>Sweden</i>	436	737	739
<i>Switzerland</i>	4	1	1
<i>United Kingdom</i>	56	2	1
Latin America			
<i>Chile</i>	32	89	70
Asia (except China)			
<i>Japan</i>	7	33	48
<i>Pakistan</i>	3	1	
<i>Taiwan</i>	2		2
Oceania			
<i>Australia</i>	1	2	2
<i>New Zealand</i>	55	131	121
Sub total	8,078	10,944	10,507
Other countries (estimates)			
<i>Czechoslovakia</i>	9	36	36
<i>Germany (East)</i>	14	16	10
<i>Poland</i>	25	16	10
<i>Romania</i>	3	4	3
<i>U.S.S.R.</i>	104	286	285
<i>Yugoslavia</i>		11	7
<i>China</i>	2	2	2
Sub total	155	369	351
Total	8,233	11,313	10,858

1. Less than 500 tons.

2. Not available.

Source: Annual World Surveys compiled by the Canadian Pulp and Paper Association.

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