

2013

STATISTICS OF

RECOVERED PAPER

IN JAPAN



PAPER RECYCLING PROMOTION CENTER

Index

State of recovered paper (2013) -----	1
General situation of paper & paperboard production and shipment (2013) -----	1
Trends in paper & paperboard production -----	2
Trends in consumption of recovered paper & wood pulp -----	2
Trends in recovered paper recovered rate & utilization rate -----	3
Trends in exports & imports of paper & paperboard -----	3
Trends in exports & imports of recovered paper -----	3
Trends in recovered paper recovery rate -----	4
Trends in consumption of recovered paper classified by grades -----	5
Trends in consumption of recovered paper classified by grades for paper and paperboard -----	6
Trends in supply & demand of recovered paper (2013) -----	7
Trends in consumption of recovered paper for papermaking (2013) -----	8
Trends in utilization rate & consumption of fiber stocks for paper and paperboard -----	9
Trends in production of paper & paperboard -----	10
Trends in shipment of paper & paperboard -----	11
Consumption rate index per ton of fiber for paper production -----	12
Imports of recovered paper classified by countries (2013) -----	13
Exports of recovered paper classified by countries (2013) -----	14
Trends in imports of paper & paperboard -----	16
Trends in exports of paper & paperboard -----	17
Recovered paper generation / distribution route (2013) -----	18
Roles of recovered paper recycling by agents -----	19
Estimation of recovery rate by grades (2013) -----	20
Estimation rate of recovered paper consumption for paper production (2013) -----	21
Use of recovered paper (2013) -----	22
Trends of quantity and composition ratio of products used recovered paper in the field except paper manufacture -----	23
The list of Japanese standard qualities of recovered paper by Paper Recycling Promotion Center-----	24
Trends in price of recovered papers -----	26

Data source of:

1. Monthly Report of Paper, Pulp, Plastics Products and Rubber Products Statistics
Research and Statistics Department, METI
2. Japan Export of Pulp and Paper by Commodity and Country
Ministry of Finance
3. Japan Import of Pulp and Paper by Commodity and Country
Ministry of Finance

(This statistics booklet is made of recycled paper.)

State of recovered paper (2013)

(METRIC TON,%)

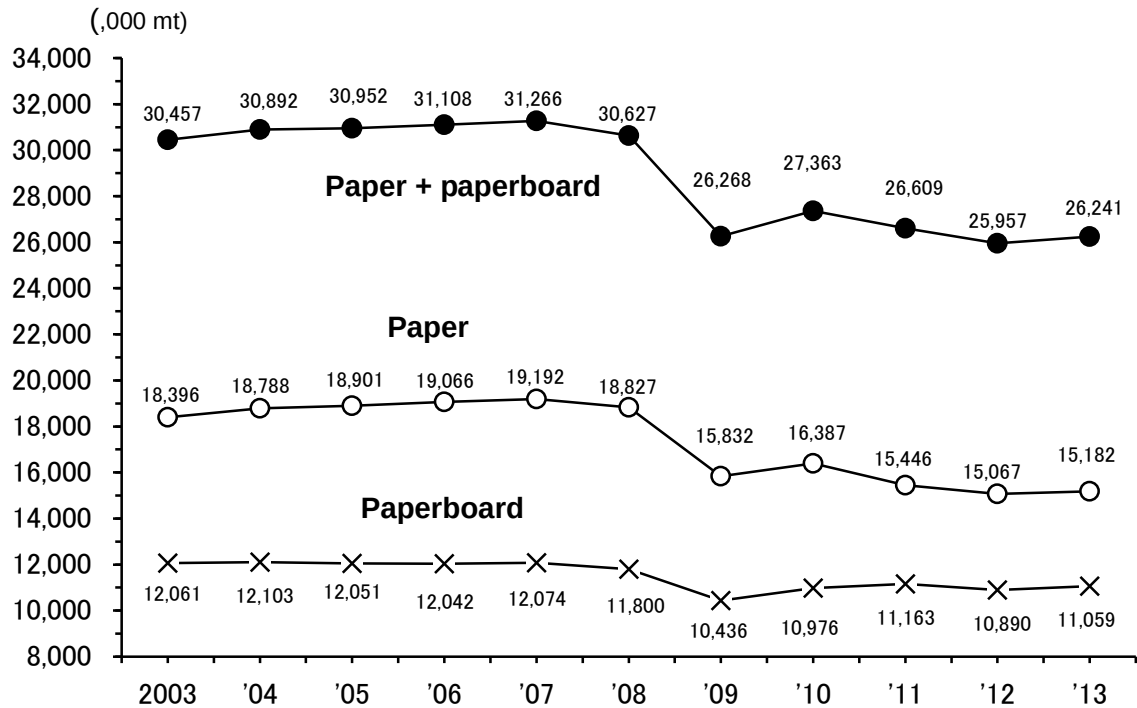
Grades	Supply	Ratio for the year before %	Consumption	Ratio for the year before %
Total	16,876,542	100.9	16,935,173	101.0
Hard white shavings, white card	63,932	100.4	65,589	102.8
White woody shavings, white manila	53,996	97.9	55,396	102.7
Fine paper printed (incl. coated paper)	1,890,107	96.3	1,911,264	97.0
Kraft browns	47,310	95.3	47,222	90.9
Quires woody paper printed	121,292	94.6	126,121	98.0
Old newspaper	4,108,359	101.1	4,132,177	101.1
Old magazines	2,124,958	98.0	2,135,160	98.4
Old corrugated containers	8,085,107	103.0	8,082,819	102.7
Box board cuttings	381,481	100.4	379,425	100.4

General situation of paper & paperboard production and shipment (2013)

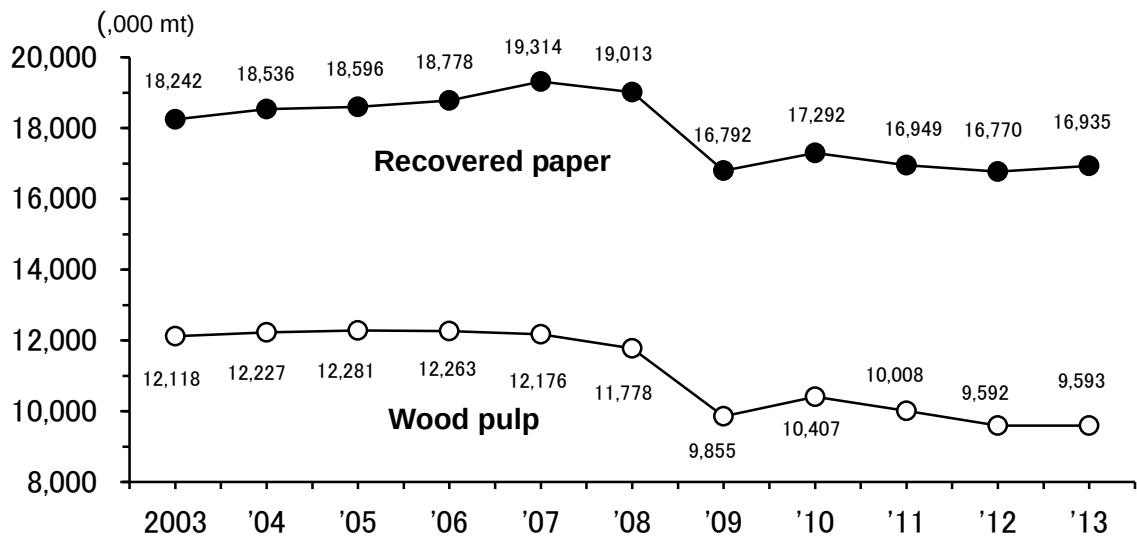
(METRIC TON,%)

Grades	Production	Ratio for the Year before %	Shipment	Ratio for the Year before %
Total	26,240,772	101.1	26,421,023	102.3
Paper total	15,181,609	100.8	15,311,369	102.4
Newsprint	3,218,530	98.9	3,208,210	98.3
Printing and communication paper	8,576,444	101.9	8,710,492	104.8
Wrapping paper	879,730	101.0	880,865	102.7
Sanitary paper	1,747,132	98.9	1,752,774	99.1
Miscellaneous paper	759,773	100.6	759,028	100.5
Paperboard total	11,059,163	101.6	11,109,654	102.3
Liner and corrugating medium	8,805,424	101.9	8,855,807	102.8
White paperboard	1,449,205	98.6	1,450,435	99.2
Patent coated paperboard	147,550	102.4	145,061	101.6
Building board	213,622	103.5	213,089	103.0
Other paperboard	443,362	102.7	445,262	103.2

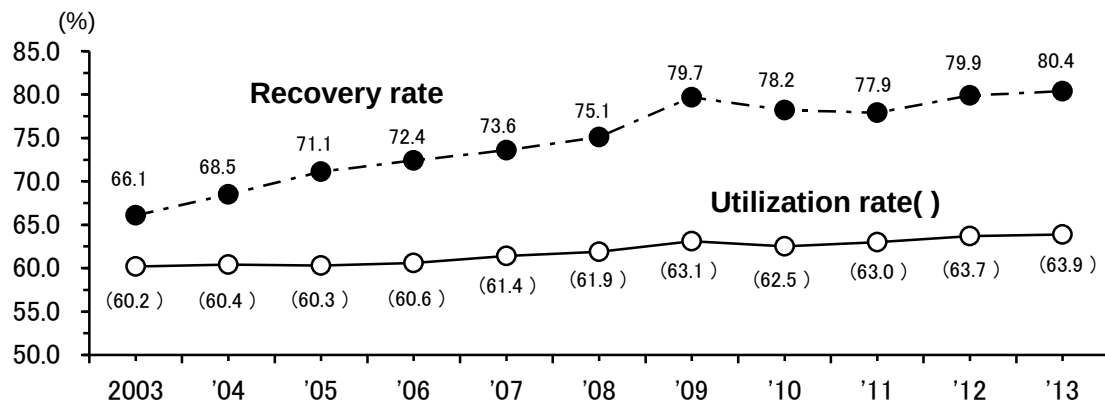
Trends in paper & paperboard production



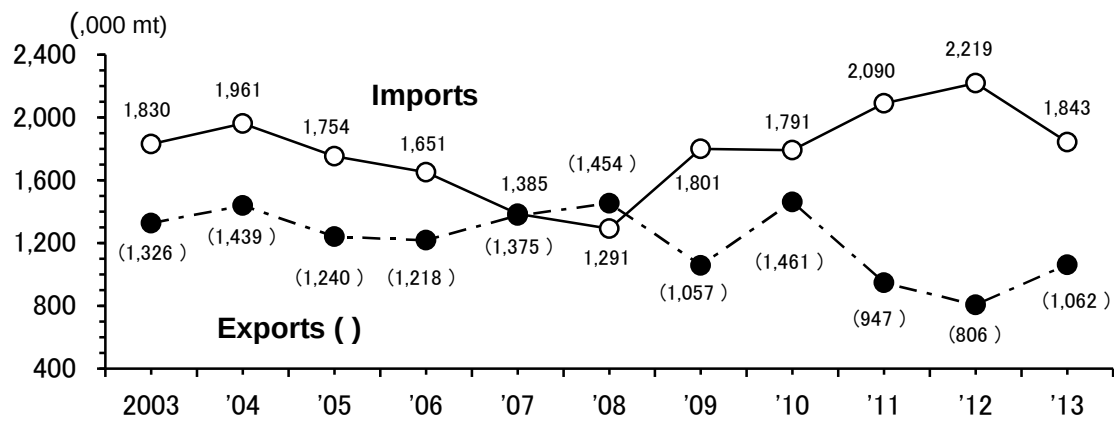
Trends in consumption of recovered paper & wood pulp



Trends in recovered paper recovery rate & utilization rate



Trends in exports & imports of paper and paperboard



Trends in exports & imports of recovered paper

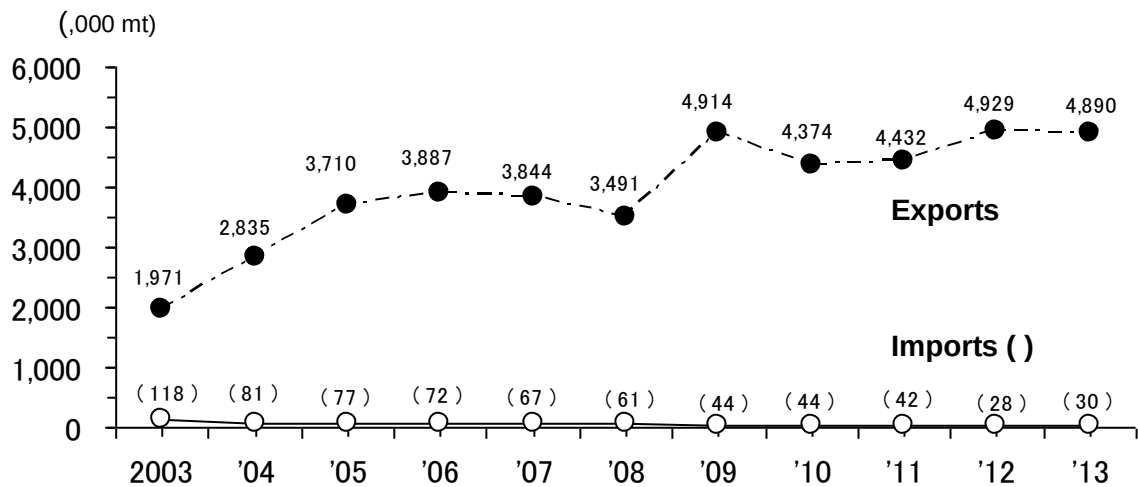


Table 1 Trends in recovered paper recovery rate

(METRIC TON, %)

Year	Shipment			Imports B	Exports C	The Balance A+B-C=D	Imports of recovered paper E	Exports of recovered paper F	Recovered paper supply G	Deinked market pulp G'	Recovery G+G'-E+F=H	Recovery rate H / D(%)
	Paper	Paperboard	Total A									
1960	2,836,389	1,617,921	4,454,310	1,087	168,812	4,286,585	27,208	1,432	1,492,224		1,466,448	34.2
1965	4,216,211	3,105,801	7,322,012	16,638	230,197	7,108,453	76,328	1,104	2,799,958		2,724,734	38.3
1970	7,003,897	5,664,687	12,668,584	99,527	507,789	12,260,322	109,848	5,517	4,836,852		4,732,521	38.6
1975	7,853,157	6,031,966	13,885,123	106,628	653,128	13,338,623	120,865	39,360	5,209,577	33,925	5,161,997	38.7
1980	10,190,586	7,465,215	17,655,801	493,292	655,894	17,493,199	223,655	19,772	8,187,132	95,216	8,078,465	46.2
1985	11,736,473	8,632,570	20,369,043	701,258	868,920	20,201,381	300,162	17,660	10,325,984	107,303	10,150,785	50.2
1990	16,391,232	11,703,448	28,094,680	1,034,757	903,510	28,225,927	634,254	21,858	14,474,269	159,598	14,021,471	49.7
1995	17,457,108	12,201,806	29,658,914	1,274,747	912,051	30,021,610	478,723	41,519	15,769,597	142,378	15,474,771	51.5
1996	17,662,669	12,226,522	29,889,191	1,584,952	718,205	30,755,938	430,658	21,167	16,015,278	160,960	15,766,747	51.3
1997	18,166,815	12,634,852	30,801,667	1,363,121	974,941	31,189,847	361,830	311,768	16,428,620	165,108	16,543,666	53.0
1998	17,828,067	12,040,633	29,868,700	1,231,767	1,117,389	29,983,078	294,054	561,149	16,129,668	168,243	16,565,006	55.2
1999	18,551,600	12,317,303	30,868,903	1,168,816	1,415,004	30,622,715	300,321	288,459	16,893,838	178,589	17,060,565	55.7
2000	18,991,058	12,729,981	31,721,039	1,469,864	1,432,410	31,758,493	278,084	372,182	18,065,898	172,119	18,332,115	57.7
2001	18,388,774	12,389,807	30,778,581	1,583,069	1,289,712	31,071,938	213,628	1,466,182	17,680,393	189,214	19,122,161	61.5
2002	18,524,697	12,181,986	30,706,683	1,517,486	1,577,728	30,646,441	143,621	1,897,116	18,079,468	213,189	20,046,152	65.4
2003	18,325,529	12,100,448	30,425,977	1,829,880	1,326,277	30,929,580	117,680	1,970,607	18,387,288	202,398	20,442,613	66.1
2004	18,769,844	12,085,458	30,855,302	1,960,862	1,439,018	31,377,146	80,548	2,835,392	18,553,381	198,769	21,506,994	68.5
2005	18,812,510	12,056,384	30,868,894	1,753,714	1,240,119	31,382,489	77,445	3,710,482	18,505,253	181,456	22,319,746	71.1
2006	19,049,649	12,058,945	31,108,594	1,650,790	1,218,383	31,541,001	71,722	3,886,905	18,818,833	191,313	22,825,329	72.4
2007	19,268,247	12,045,997	31,314,244	1,374,672	1,385,119	31,303,797	66,537	3,843,931	19,381,046	166,201	23,324,641	74.5
2008	18,678,924	11,787,351	30,466,275	1,290,700	1,453,764	30,303,211	61,480	3,490,786	19,154,236	168,705	22,752,247	75.1
2009	15,993,253	10,456,771	26,450,024	1,801,284	1,057,181	27,194,127	43,958	4,914,123	16,643,548	150,206	21,663,919	79.7
2010	16,448,738	10,973,037	27,421,775	1,791,429	1,461,328	27,751,876	43,870	4,373,578	17,235,399	149,924	21,715,031	78.2
2011	15,408,071	11,112,329	26,520,400	2,089,917	947,374	27,662,943	42,190	4,432,132	17,011,765	150,871	21,552,578	77.9
2012	14,956,949	10,860,730	25,817,679	2,218,735	806,165	27,230,249	27,600	4,929,315	16,720,687	129,220	21,751,622	79.9
2013	15,311,369	11,109,654	26,421,023	1,843,203	1,061,915	27,202,311	30,076	4,889,715	16,876,542	129,271	21,865,452	80.4

a) Recovered paper used to product the denied market pulp was calculated as yield 80%. (G')

Table 2 Trends in consumption of recovered paper classified by grades

(METRIC TON, %)

Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
2006	Consumption	18,777,826	76,163	79,482	1,992,692	104,447	186,711	4,768,190	2,657,268	8,451,758	461,115
	Proportion	100.0	0.4	0.4	10.6	0.6	1.0	25.4	14.2	45.0	2.5
	Ratio of the year before	101.0	95.6	94.4	102.9	88.9	92.2	102.8	99.7	100.6	97.5
	Contribute ratio/Growth of consumption	100.0	-1.9	-2.6	30.8	-7.1	-8.6	71.7	-4.2	28.5	-6.5
2007	Consumption	19,313,591	84,378	77,449	2,203,670	95,649	196,839	5,076,606	2,552,924	8,594,780	431,296
	Proportion	100.0	0.4	0.4	11.4	0.5	1.0	26.3	13.2	44.5	2.2
	Ratio of the year before	102.9	110.8	97.4	110.6	91.6	105.4	106.5	96.1	101.7	93.5
	Contribute ratio/Growth of consumption	100.0	1.5	-0.4	39.4	-1.6	1.9	57.6	-19.5	26.7	-5.6
2008	Consumption	19,012,907	81,986	59,275	2,234,339	79,446	153,538	4,948,484	2,558,598	8,478,741	418,500
	Proportion	100.0	0.4	0.3	11.8	0.4	0.8	26.0	13.5	44.6	2.2
	Ratio of the year before	98.4	97.2	76.5	101.4	83.1	78.0	97.5	100.2	98.6	97.0
	Contribute ratio/Growth of consumption	-100.0	-0.8	-6.0	10.2	-5.4	-14.4	-42.6	1.9	-38.6	-4.3
2009	Consumption	16,791,964	74,809	52,959	1,912,080	67,746	167,984	4,463,912	2,326,835	7,341,009	384,630
	Proportion	100.0	0.4	0.3	11.4	0.4	1.0	26.6	13.9	43.7	2.3
	Ratio of the year before	88.3	91.2	89.3	85.6	85.3	109.4	90.2	90.9	86.6	91.9
	Contribute ratio/Growth of consumption	-100.0	-0.3	-0.3	-14.5	-0.5	0.7	-21.8	-10.4	-51.2	-1.5
2010	Consumption	17,292,214	72,538	54,812	1,973,810	63,125	150,826	4,385,974	2,297,633	7,903,282	390,214
	Proportion	100.0	0.4	0.3	11.4	0.4	0.9	25.4	13.3	45.7	2.3
	Ratio of the year before	103.0	97.0	103.5	103.2	93.2	89.8	98.3	98.7	107.7	101.5
	Contribute ratio/Growth of consumption	100.0	-0.5	0.4	12.3	-0.9	-3.4	-15.6	-5.8	112.4	1.1
2011	Consumption	16,949,049	70,453	55,448	1,978,131	60,182	139,383	3,972,727	2,234,475	8,052,116	386,134
	Proportion	100.0	0.4	0.3	11.7	0.4	0.8	23.4	13.2	47.5	2.3
	Ratio of the year before	98.0	97.1	101.2	100.2	95.3	92.4	90.6	97.3	101.9	99.0
	Contribute ratio/Growth of consumption	-100.0	-0.6	0.2	1.3	-0.9	-3.3	-120.4	-18.4	43.4	-1.2
2012	Consumption	16,770,075	63,819	53,943	1,970,269	51,971	128,684	4,085,778	2,170,359	7,867,308	377,944
	Proportion	100.0	0.4	0.3	11.7	0.3	0.8	24.4	12.9	46.9	2.3
	Ratio of the year before	98.9	90.6	97.3	99.6	86.4	92.3	102.8	97.1	97.7	97.9
	Contribute ratio/Growth of consumption	-100.0	-3.7	-0.8	-4.4	-4.6	-6.0	63.2	-35.8	-103.3	-4.6
2013	Consumption	16,935,173	65,589	55,396	1,911,264	47,222	126,121	4,132,177	2,135,160	8,082,819	379,425
	Proportion	100.0	0.4	0.3	11.3	0.3	0.7	24.4	12.6	47.7	2.2
	Ratio of the year before	101.0	102.8	102.7	97.0	90.9	98.0	101.1	98.4	102.7	100.4
	Contribute ratio/Growth of consumption	100.0	1.1	0.9	-35.7	-2.9	-1.6	28.1	-21.3	130.5	0.9

Attn. -: decrease

Table 3 Trends in consumption of recovered paper classified by grades for paper and paperboard

(METRIC TON, %)

For	Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
P a p e r	2010	Consumption	6,412,367	15,614	3,900	1,662,320	10,266	134,233	4,157,963	424,973	3,098	0
		Ratio										
		For paper total	100.0	0.2	0.1	25.9	0.2	2.1	64.8	6.6	0.0	0.0
		For consumption	37.1	21.5	7.1	84.2	16.3	89.0	94.8	18.5	0.0	0.0
		Ratio of the year before	98.6	81.8	85.0	104.0	108.6	88.4	97.7	92.9	110.0	0.0
	2011	Contribute ratio/ Growth of consumption	-100.0	-3.9	-0.8	72.4	0.9	-19.9	-112.3	-36.4	0.3	-0.3
		Consumption	5,915,577	15,109	4,124	1,667,336	9,853	124,275	3,723,282	366,587	2,880	2,131
		Ratio										
		For paper total	100.0	0.3	0.1	28.2	0.2	2.1	62.9	6.2	0.0	0.0
		For consumption	34.9	21.4	7.4	84.3	16.4	89.2	93.7	16.4	0.0	0.6
		Ratio of the year before	92.3	96.8	105.7	100.3	96.0	92.6	89.5	86.3	93.0	—
		Contribute ratio/ Growth of consumption	-100.0	-0.1	0.0	1.0	-0.1	-2.0	-87.5	-11.8	-0.0	0.4
	2012	Consumption	6,036,751	13,406	2,946	1,668,132	8,440	115,165	3,819,495	402,756	3,096	3,315
		Ratio										
		For paper total	100.0	0.2	0.0	27.6	0.1	1.9	63.3	6.7	0.1	0.1
		For consumption	36.0	21.0	5.5	84.7	16.2	89.5	93.5	18.6	0.0	0.9
		Ratio of the year before	102.0	88.7	71.4	100.0	85.7	92.7	102.6	109.9	107.5	155.6
		Contribute ratio/ Growth of consumption	100.0	-1.4	-1.0	0.7	-1.2	-7.5	79.4	29.8	0.2	1.0
	2013	Consumption	6,039,730	12,535	5,354	1,614,243	8,233	113,033	3,871,821	407,410	3,135	3,966
		Ratio										
		For paper total	100.0	0.2	0.1	26.7	0.1	1.9	64.1	6.7	0.1	0.1
		For consumption	35.7	19.1	9.7	84.5	17.4	89.6	93.7	19.1	0.0	1.0
		Ratio of the year before	100.0	93.5	181.7	96.8	97.5	98.1	101.4	101.2	101.3	119.6
		Contribute ratio/ Growth of consumption	100.0	-29.2	80.8	-1809.0	-6.9	-71.6	1756.5	156.2	1.3	21.9
P a p e r b o a r d	2010	Consumption	10,879,847	56,924	50,912	311,490	52,859	16,593	228,011	1,872,660	7,900,184	390,214
		Ratio										
		For paperboard total	100.0	0.5	0.5	2.9	0.5	0.2	2.1	17.2	72.6	3.6
		For consumption	62.9	78.5	92.9	15.8	83.7	11.0	5.2	81.5	100.0	100.0
		Ratio of the year before	105.7	102.2	105.3	99.2	90.7	103.0	110.5	100.2	107.7	101.5
		Contribute ratio/ Growth of consumption	100.0	0.2	0.4	-0.4	-0.9	0.1	3.7	0.5	95.4	1.0
	2011	Consumption	11,033,472	55,344	51,324	310,795	50,329	15,108	249,445	1,867,888	8,049,236	384,003
		Ratio										
		For paperboard total	100.0	0.5	0.5	2.8	0.5	0.1	2.3	16.9	73.0	3.5
		For consumption	65.1	78.6	92.6	15.7	83.6	10.8	6.3	83.6	100.0	99.4
		Ratio of the year before	101.4	97.2	100.8	99.8	95.2	91.1	109.4	99.7	101.9	98.4
		Contribute ratio/ Growth of consumption	100.0	-1.0	0.3	-0.5	-1.6	-1.0	14.0	-3.1	97.0	-4.0
	2012	Consumption	10,733,324	50,413	50,997	302,137	43,531	13,519	266,283	1,767,603	7,864,212	374,629
		Ratio										
		For paperboard total	100.0	0.5	0.5	2.8	0.4	0.1	2.5	16.5	73.3	3.5
		For consumption	64.0	79.0	94.5	15.3	83.8	10.5	6.5	81.4	100.0	99.1
		Ratio of the year before	97.3	91.1	99.4	97.2	86.5	89.5	106.8	94.6	97.7	97.6
		Contribute ratio/ Growth of consumption	-100.0	-1.6	-0.1	-2.9	-2.3	-0.5	5.6	-33.4	-61.6	-3.1
	2013	Consumption	10,895,443	53,054	50,042	297,021	38,989	13,088	260,356	1,727,750	8,079,684	375,459
		Ratio										
		For paperboard total	100.0	0.5	0.5	2.7	0.4	0.1	2.4	15.9	74.2	3.4
		For consumption	64.3	80.9	90.3	15.5	82.6	10.4	6.3	80.9	100.0	99.0
		Ratio of the year before	101.5	105.2	98.1	98.3	89.6	96.8	97.8	97.7	102.7	100.2
		Contribute ratio/ Growth of consumption	100.0	1.6	-0.6	-3.2	-2.8	-0.3	-3.7	-24.6	132.9	0.5

See the table 2 for consumption total. -: decrease

Table 4 Trends in supply & demand of recovered paper (2013)

(METRIC TON, %)

Year. Mon.	Total				Hard white shavings, white card				White woody shavings, white manila				Fine paper printed (incl. coated paper)				Kraft browns			
	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)
2011 total	17,011,765	16,949,049	838,103		72,430	70,453	8,254		57,004	55,448	6,374		1,984,125	1,978,131	118,912		58,624	60,182	7,255	
2012 total	16,720,687	16,770,075	788,715		63,689	63,819	8,124		55,168	53,943	7,599		1,963,324	1,970,269	111,967		49,624	51,971	4,908	
Ratio of the year before	98.3	98.9	94.1		87.9	90.6	98.4		96.8	97.3	119.2		99.0	99.6	94.2		84.6	86.4	67.6	
2012 Dec.	1,384,615	1,393,291	788,715	56.6	5,170	4,935	8,124	164.6	4,494	4,691	8,124	164.6	168,404	158,044	111,967	70.8	4,124	4,232	4,908	116.0
2013 Jan.	1,295,387	1,309,664	774,438	59.1	4,898	5,007	8,015	160.1	4,533	4,433	8,015	160.1	137,725	151,815	97,877	64.5	3,509	3,587	4,830	134.7
Feb.	1,230,925	1,277,940	727,423	56.9	5,318	5,279	8,054	152.6	4,549	4,548	8,054	152.6	146,779	149,265	95,391	63.9	3,818	3,814	4,834	126.7
Mar.	1,360,581	1,427,430	660,574	46.3	5,605	5,771	7,888	136.7	4,937	4,804	7,888	136.7	164,421	163,603	96,209	58.8	3,898	3,906	4,826	123.6
Apr.	1,447,739	1,437,952	670,361	46.6	5,620	5,384	8,124	150.9	4,212	4,237	8,124	150.9	161,075	162,998	94,286	57.8	4,150	4,022	4,954	123.2
May	1,421,533	1,371,479	720,415	52.5	5,231	5,245	8,110	154.6	4,395	4,530	8,110	154.6	159,642	163,600	90,328	55.2	3,922	3,729	5,147	138.0
Jun.	1,355,527	1,442,634	633,308	43.9	5,089	5,333	7,866	147.5	4,629	4,900	7,866	147.5	157,138	161,200	86,266	53.5	3,946	3,873	5,220	134.8
Jul.	1,458,469	1,457,899	633,878	43.5	5,403	5,294	7,975	150.6	4,830	4,941	7,975	150.6	159,123	151,075	94,314	62.4	4,014	3,728	5,506	147.7
Aug.	1,401,886	1,364,460	671,304	49.2	4,755	5,002	7,728	154.5	3,833	4,327	7,728	154.5	149,998	158,064	86,248	54.6	3,533	3,481	5,558	159.7
Sep.	1,378,864	1,425,898	624,270	43.8	5,223	5,620	7,331	130.4	4,548	5,003	7,331	130.4	152,579	159,060	79,767	50.1	3,947	3,932	5,573	141.7
Oct.	1,537,680	1,536,140	625,810	40.7	4,823	6,139	6,015	98.0	4,608	4,976	6,015	98.0	172,322	169,389	82,700	48.8	4,694	4,294	5,973	139.1
Nov.	1,484,810	1,464,416	646,204	44.1	6,304	5,832	6,487	111.2	4,719	4,588	6,105	133.1	164,661	165,711	81,650	49.3	3,678	4,468	5,183	116.0
Dec.	1,503,141	1,419,261	730,084	51.4	5,663	5,683	6,467	113.8	4,203	4,109	6,199	150.9	164,644	155,484	90,810	58.4	4,201	4,388	4,996	113.9
2013 total	16,876,542	16,935,173			63,932	65,589			53,996	55,396			1,890,107	1,911,264			47,310	47,222		
Ratio of the year before	100.9	101.0			100.4	102.8			97.9	102.7			96.3	97.0			95.3	90.9		

Year. Mon.	Quires woody paper printed				Old newspaper				Old magazines				Old corrugated containers				Box board cuttings			
	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)	Supply	Consumption A	Stock B	B/A (%)
2011 total	142,796	139,383	12,042		3,976,544	3,972,727	265,314		2,238,655	2,234,475	103,814		8,096,071	8,052,116	297,301		385,516	386,134	18,837	
2012 total	128,163	128,684	11,521		4,063,829	4,085,778	243,365		2,168,873	2,170,359	102,328		7,848,156	7,867,308	278,149		379,861	377,944	20,754	
Ratio of the year before	89.8	92.3	95.7		102.2	102.8	91.7		96.9	97.1	98.6		96.9	97.7	93.6		98.5	97.9	110.2	
2012 Dec.	10,661	9,567	11,521	120.4	340,727	350,948	243,365	69.3	173,316	175,675	102,328	58.2	647,770	653,634	278,149	42.6	29,949	31,565	20,754	65.8
2013 Jan.	8,509	9,950	10,080	101.3	331,900	347,441	227,824	65.6	169,524	158,101	113,751	71.9	605,265	601,485	281,929	46.9	29,524	27,845	22,433	80.6
Feb.	9,601	9,507	10,174	107.0	306,023	315,825	218,022	69.0	147,218	160,810	100,159	62.3	578,285	599,021	261,193	43.6	29,334	29,871	21,896	73.3
Mar.	10,638	11,144	9,668	86.8	331,999	356,499	193,522	54.3	173,087	178,834	94,412	52.8	633,542	671,022	223,713	33.3	32,454	31,847	22,503	70.7
Apr.	10,054	10,756	8,966	83.4	348,440	346,426	195,536	56.4	192,304	180,454	106,262	58.9	689,596	690,043	223,266	32.4	32,288	33,632	21,159	62.9
May	9,338	9,832	8,472	86.2	361,793	353,737	203,592	57.6	179,912	174,428	111,746	64.1	666,593	626,486	263,373	42.0	30,707	29,892	21,974	73.5
Jun.	9,833	11,367	6,938	61.0	331,534	342,948	192,178	56.0	169,396	184,658	96,484	52.3	644,389	697,177	210,585	30.2	29,573	31,178	20,369	65.3
Jul.	10,763	9,343	8,358	89.5	349,523	335,946	205,755	61.2	174,304	188,928	81,860	43.3	718,302	726,315	202,572	27.9	32,207	32,329	20,247	62.6
Aug.	9,715	10,980	7,093	64.6	329,315	354,180	180,890	51.1	178,022	174,888	84,994	48.6	692,883	626,398	269,057	43.0	29,832	27,140	22,939	84.5
Sep.	10,557	10,683	6,967	65.2	324,383	330,843	174,430	52.7	170,352	187,366	67,980	36.3	674,792	691,553	252,296	36.5	32,483	31,838	23,584	74.1
Oct.	11,371	11,340	6,998	61.7	359,460	356,184	177,706	49.9	211,808	206,082	73,706	35.8	732,486	741,994	242,788	32.7	36,108	35,742	23,950	67.0
Nov.	10,134	11,217	5,915	52.7	363,110	334,818	205,998	61.5	177,539	174,610	76,635	43.9	720,745	728,225	235,308	32.3	33,920	34,947	22,923	65.6
Dec.	10,779	10,002	6,692	66.9	370,879	357,330	219,547	61.4	181,492	166,001	92,126	55.5	728,229	683,100	280,437	41.1	33,051	33,164	22,810	68.8
2013 total	121,292	126,121			4,108,359	4,132,177			2,124,958	2,135,160			8,085,107	8,082,819			381,481	379,425		
Ratio of the year before	94.6	98.0			101.1	101.1			98.0	98.4			103.0	102.7			100.4	100.4		

Attn. Supply=Consumption+Stock-The stock of the previous month

Table 5 Trends in consumption of recovered paper for papermaking (2013)

(METRIC TON, %)

Year, Mon.	Total			Hard white shavings, white card			White woody shavings, white manila			Fine paper printed (incl. coated paper)			Kraft paper		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2011 total	5,915,577	11,033,472	16,949,049	15,109	55,344	70,453	4,124	51,324	55,448	1,667,336	310,795	1,978,131	9,853	50,329	60,182
2012 total	6,036,751	10,733,324	16,770,075	13,406	50,413	63,819	2,946	50,997	53,943	1,668,132	302,137	1,970,269	8,440	43,531	51,971
Ratio of the before year	102.0	97.3	98.9	88.7	91.1	90.6	71.4	99.4	97.3	100.0	97.2	99.6	85.7	86.5	86.4
Proportion	36.0	64.0	100.0	21.0	79.0	100.0	5.5	94.5	100.0	84.7	15.3	100.0	16.2	83.8	100.0
2012 Dec.	511,844	881,447	1,393,291	1,031	3,904	4,935	320	4,371	4,691	134,383	23,661	158,044	761	3,471	4,232
2013 Jan.	500,478	809,186	1,309,664	938	4,069	5,007	473	3,960	4,433	128,781	23,034	151,815	594	2,993	3,587
Feb.	464,138	813,802	1,277,940	1,047	4,232	5,279	493	4,055	4,548	125,927	23,338	149,265	652	3,162	3,814
Mar.	520,179	907,251	1,427,430	1,076	4,695	5,771	376	4,428	4,804	138,726	24,877	163,603	726	3,180	3,906
Apr.	509,567	928,385	1,437,952	951	4,433	5,384	525	3,712	4,237	137,921	25,077	162,998	665	3,357	4,022
May	518,317	853,162	1,371,479	1,095	4,150	5,245	479	4,051	4,530	137,295	26,305	163,600	651	3,078	3,729
Jun.	503,269	939,365	1,442,634	1,145	4,188	5,333	492	4,408	4,900	134,364	26,836	161,200	663	3,210	3,873
Jul.	491,238	966,661	1,457,899	1,029	4,265	5,294	447	4,494	4,941	129,779	21,296	151,075	705	3,023	3,728
Aug.	518,723	845,737	1,364,460	1,014	3,988	5,002	489	3,838	4,327	134,057	24,007	158,064	664	2,817	3,481
Sep.	489,569	936,329	1,425,898	1,124	4,496	5,620	539	4,464	5,003	135,155	23,905	159,060	724	3,208	3,932
Oct.	520,617	1,015,523	1,536,140	1,061	5,078	6,139	497	4,479	4,976	141,885	27,504	169,389	753	3,541	4,294
Nov.	489,767	974,649	1,464,416	982	4,850	5,832	364	4,224	4,588	135,377	30,334	165,711	729	3,739	4,468
Dec.	513,868	905,393	1,419,261	1,073	4,610	5,683	180	3,929	4,109	134,976	20,508	155,484	707	3,681	4,388
2013 total	6,039,730	10,895,443	16,935,173	12,535	53,054	65,589	5,354	50,042	55,396	1,614,243	297,021	1,911,264	8,233	38,989	47,222
Ratio of the before year	100.0	101.5	101.0	93.5	105.2	102.8	181.7	98.1	102.7	96.8	98.3	97.0	97.5	89.6	90.9
Proportion	35.7	64.3	100.0	19.1	80.9	100.0	9.7	90.3	100.0	84.5	15.5	100.0	17.4	82.6	100.0

Year, Mon.	Quires woody paper printed			Old newspaper			Old magazines			Old corrugated containers			Box board cuttings		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2011 total	124,275	15,108	139,383	3,723,282	249,445	3,972,727	366,587	1,867,888	2,234,475	2,880	8,049,236	8,052,116	2,131	384,003	386,134
2012 total	115,165	13,519	128,684	3,819,495	266,283	4,085,778	402,756	1,767,603	2,170,359	3,096	7,864,212	7,867,308	3,315	374,629	377,944
Ratio of the before year	92.7	89.5	92.3	102.6	106.8	102.8	109.9	94.6	97.1	107.5	97.7	97.7	—	97.6	97.9
Proportion	89.5	10.5	100.0	93.5	6.5	100.0	18.6	81.4	100.0	0.0	100.0	100.0	0.9	99.1	100.0
2012 Dec.	8,542	1,025	9,567	330,370	20,578	350,948	35,937	139,738	175,675	190	653,444	653,634	310	31,255	31,565
2013 Jan.	8,865	1,085	9,950	326,929	20,512	347,441	33,411	124,690	158,101	234	601,251	601,485	253	27,592	27,845
Feb.	8,432	1,075	9,507	296,510	19,315	315,825	30,484	130,326	160,810	229	598,792	599,021	364	29,507	29,871
Mar.	9,913	1,231	11,144	334,833	21,666	356,499	33,928	144,906	178,834	274	670,748	671,022	327	31,520	31,847
Apr.	9,590	1,166	10,756	325,028	21,398	346,426	34,274	146,180	180,454	222	689,821	690,043	391	33,241	33,632
May	8,686	1,146	9,832	334,164	19,573	353,737	35,425	139,003	174,428	168	626,318	626,486	354	29,538	29,892
Jun.	10,273	1,094	11,367	320,737	22,211	342,948	35,152	149,506	184,658	267	696,910	697,177	176	31,002	31,178
Jul.	8,336	1,007	9,343	313,349	22,597	335,946	36,875	152,053	188,928	283	726,032	726,315	435	31,894	32,329
Aug.	9,970	1,010	10,980	334,463	19,717	354,180	37,477	137,411	174,888	253	626,145	626,398	336	26,804	27,140
Sep.	9,686	997	10,683	308,774	22,069	330,843	33,000	154,366	187,366	231	691,322	691,553	336	31,502	31,838
Oct.	10,201	1,139	11,340	331,089	25,095	356,184	34,448	171,634	206,082	376	741,618	741,994	307	35,435	35,742
Nov.	10,091	1,126	11,217	310,766	24,052	334,818	30,887	143,723	174,610	269	727,956	728,225	302	34,645	34,947
Dec.	8,990	1,012	10,002	335,179	22,151	357,330	32,049	133,952	166,001	329	682,771	683,100	385	32,779	33,164
2013 total	113,033	13,088	126,121	3,871,821	260,356	4,132,177	407,410	1,727,750	2,135,160	3,135	8,079,684	8,082,819	3,966	375,459	379,425
Ratio of the before year	98.1	96.8	98.0	101.4	97.8	101.1	101.2	97.7	98.4	102.7	102.7	102.7	119.6	100.2	100.4
Proportion	89.6	10.4	100.0	93.7	6.3	100.0	19.1	80.9	100.0	0.0	100.0	100.0	1.0	99.0	100.0

Table 6 Trends in utilization rate & consumption of fiber stocks for paper and paperboard

(METRIC TON,%)

Year	For												
	Stocks	Total	Proportion		Ratio of the year before	Paper	Proportion		Ratio of the year before	Paperboard	Proportion		Ratio of the year before
2004	Wood pulp	12,227,400	100.0	39.5	100.9	11,255,753	92.1	62.7	101.2	971,647	7.9	7.5	97.7
	Market Pulp(DIP)	159,510	100.0	0.5	96.7	127,020	79.6	0.7	93.9	32,490	20.4	0.2	109.2
	Recovered paper	18,536,182	100.0	59.9	101.6	6,543,631	35.3	36.5	104.1	11,992,551	64.7	92.2	100.3
	Other stocks	33,743	100.0	0.1	96.8	22,526	66.8	0.1	93.6	11,217	33.2	0.1	104.2
	Total	30,956,835	100.0	100.0	101.3	17,948,930	58.0	100.0	102.2	13,007,905	42.0	100.0	100.1
2005	Wood pulp	12,281,157	100.0	39.5	100.4	11,333,708	92.3	62.4	100.7	947,449	7.7	7.3	97.5
	Market Pulp(DIP)	146,917	100.0	0.5	92.1	121,490	82.7	0.7	95.6	25,427	17.3	0.2	78.3
	Recovered paper	18,595,733	100.0	59.9	100.3	6,687,132	36.0	36.8	102.2	11,908,601	64.0	92.4	99.3
	Other stocks	32,925	100.0	0.1	97.6	21,359	64.9	0.1	94.8	11,566	35.1	0.1	103.1
	Total	31,056,732	100.0	100.0	100.3	18,163,689	58.5	100.0	101.2	12,893,043	41.5	100.0	99.1
2006	Wood pulp	12,263,478	100.0	39.3	99.9	11,329,836	92.4	61.8	100.0	933,642	7.6	7.2	98.5
	Market Pulp(DIP)	154,325	100.0	0.5	105.0	136,781	88.6	0.7	112.6	17,544	11.4	0.1	69.0
	recovered paper	18,777,826	100.0	60.1	101.0	6,852,778	36.5	37.4	102.5	11,925,048	63.5	92.5	100.1
	Other stocks	29,382	100.0	0.1	89.2	17,694	60.2	0.1	82.8	11,688	39.8	0.1	101.1
	Total	31,225,011	100.0	100.0	100.5	18,337,089	58.7	100.0	101.0	12,887,922	41.3	100.0	100.0
2007	Wood pulp	12,175,959	100.0	38.5	99.3	11,203,770	92.0	59.8	98.9	972,189	8.0	7.5	104.1
	Market Pulp(DIP)	131,993	100.0	0.4	85.5	116,195	88.0	0.6	84.9	15,798	12.0	0.1	90.0
	recovered paper	19,313,591	100.0	61.0	102.9	7,405,652	38.3	39.5	108.1	11,907,939	61.7	92.3	99.9
	Other stocks	29,310	100.0	0.1	99.8	18,475	63.0	0.1	104.4	10,835	37.0	0.1	92.7
	Total	31,650,853	100.0	100.0	101.4	18,744,092	59.2	100.0	102.2	12,906,761	40.8	100.0	100.1
2008	Wood pulp	11,777,567	100.0	38.0	96.7	10,878,355	92.4	59.4	97.1	899,212	7.6	7.1	92.5
	Market Pulp(DIP)	132,508	100.0	0.4	100.4	117,688	88.8	0.6	101.3	14,820	11.2	0.1	93.8
	recovered paper	19,012,907	100.0	61.4	98.4	7,307,439	38.4	39.9	98.7	11,705,468	61.6	92.7	98.3
	Other stocks	31,455	100.0	0.1	107.3	21,128	67.2	0.1	114.4	10,327	32.8	0.1	95.3
	Total	30,954,437	100.0	100.0	97.8	18,324,610	59.2	100.0	97.8	12,629,827	40.8	100.0	97.9
2009	Wood pulp	9,855,407	100.0	36.8	83.7	9,059,086	91.9	57.7	83.3	796,321	8.1	7.2	88.6
	Market Pulp(DIP)	123,158	100.0	0.5	92.9	110,294	89.6	0.7	93.7	12,864	10.4	0.1	86.8
	recovered paper	16,791,964	100.0	62.7	88.3	6,501,116	38.7	41.4	89.0	10,290,848	61.3	92.6	87.9
	Other stocks	26,605	100.0	0.1	84.6	18,608	69.9	0.1	88.1	7,997	30.1	0.1	77.4
	Total	26,797,134	100.0	100.0	86.6	15,689,104	58.5	100.0	85.6	11,108,030	41.5	100.0	88.0
2010	Wood pulp	10,407,274	100.0	37.4	105.6	9,568,876	91.9	59.4	105.6	838,398	8.1	7.1	105.3
	Market Pulp(DIP)	119,667	100.0	0.4	97.2	106,587	89.1	0.7	96.6	13,080	10.9	0.1	101.7
	recovered paper	17,292,214	100.0	62.1	103.0	6,412,367	37.1	39.8	98.6	10,879,847	62.9	92.7	105.7
	Other stocks	31,079	100.0	0.1	116.8	22,680	73.0	0.1	121.9	8,399	27.0	0.1	105.0
	Total	27,850,234	100.0	100.0	103.9	16,110,510	57.8	100.0	102.7	11,739,724	42.2	100.0	105.7
2011	Wood pulp	10,007,844	100.0	36.9	96.2	9,163,177	91.6	60.3	95.8	844,667	8.4	7.1	100.7
	Market Pulp(DIP)	118,160	100.0	0.4	98.7	106,223	89.9	0.7	99.7	11,937	10.1	0.1	91.3
	recovered paper	16,949,049	100.0	62.5	98.0	5,915,577	34.9	38.9	92.3	11,033,472	65.1	92.7	101.4
	Other stocks	30,678	100.0	0.1	98.7	20,913	68.2	0.1	92.2	9,765	31.8	0.1	116.3
	Total	27,105,731	100.0	100.0	97.3	15,205,890	56.1	100.0	94.4	11,899,841	43.9	100.0	101.4
2012	Wood pulp	9,592,332	100.0	36.2	95.8	8,785,456	91.6	58.8	95.9	806,876	8.4	7.0	95.5
	Market Pulp(DIP)	106,048	100.0	0.4	89.7	97,366	91.8	0.7	91.7	8,682	8.2	0.1	72.7
	recovered paper	16,770,075	100.0	63.3	98.9	6,036,751	36.0	40.4	102.0	10,733,324	64.0	92.9	97.3
	Other stocks	32,713	100.0	0.1	106.6	22,985	70.3	0.2	109.9	9,728	29.7	0.1	99.6
	Total	26,501,168	100.0	100.0	97.8	14,942,558	56.4	100.0	98.3	11,558,610	43.6	100.0	97.1
2013	Wood pulp	9,593,081	100.0	36.0	100.0	8,817,881	91.9	58.9	100.4	775,200	8.1	6.6	96.1
	Market Pulp(DIP)	103,697	100.0	0.4	97.8	96,546	93.1	0.6	99.2	7,151	6.9	0.1	82.4
	recovered paper	16,935,173	100.0	63.5	101.0	6,039,730	35.7	40.3	100.0	10,895,443	64.3	93.2	101.5
	Other stocks	30,758	100.0	0.1	94.0	21,823	71.0	0.1	94.9	8,935	29.0	0.1	91.8
	Total	26,662,709	100.0	100.0	100.6	14,975,980	56.2	100.0	100.2	11,686,729	43.8	100.0	101.1

Table 7 Trends in production of paper & paperboard

(METRIC TON, %)

Year Grades	2008		2009		2010		2011		2012		2013	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Newsprint	3,680,410	96.8	3,454,589	93.9	3,348,649	96.9	3,210,695	95.9	3,253,556	101.3	3,218,530	98.9
Printing and communication paper	11,501,422	98.6	9,120,058	79.3	9,547,045	104.7	8,765,241	91.8	8,419,795	96.1	8,576,444	101.9
Wrapping paper	1,010,144	101.6	785,658	77.8	904,486	115.1	900,630	99.6	871,372	96.8	879,730	101.0
Sanitary paper	1,804,878	102.0	1,776,141	98.4	1,792,438	100.9	1,779,807	99.3	1,766,850	99.3	1,747,132	98.9
Miscellaneous paper	830,853	86.4	695,473	83.7	794,143	114.2	789,642	99.4	755,592	95.7	759,773	100.6
Paper total	18,827,707	98.1	15,831,919	84.1	16,386,761	103.5	15,446,015	94.3	15,067,165	97.5	15,181,609	100.8
Liner and corrugating medium	9,219,039	97.8	8,212,298	89.1	8,647,486	105.3	8,811,061	101.9	8,637,378	98.0	8,805,424	101.9
White paperboard	1,634,885	101.8	1,490,035	91.1	1,517,353	101.8	1,542,198	101.6	1,470,276	95.3	1,449,205	98.6
Patent coated paperboard	183,890	94.0	146,862	79.9	155,628	106.0	154,236	99.1	144,032	93.4	147,550	102.4
Building board	213,118	93.9	180,140	84.5	187,994	104.4	202,070	107.5	206,379	102.1	213,622	103.5
Other paperboard	548,816	88.2	406,698	74.1	468,106	115.1	453,706	96.9	431,662	95.1	443,362	102.7
Paperboard total	11,799,748	97.7	10,436,033	88.4	10,976,567	105.2	11,163,271	101.7	10,889,727	97.5	11,059,163	101.6
Total	30,627,455	98.0	26,267,952	85.8	27,363,328	104.2	26,609,286	97.2	25,956,892	97.5	26,240,772	101.1

Year Grades	2008		2009		2010		2011		2012		2013	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Business form paper	321,968	99.3	279,320	86.8	274,255	98.2	262,615	95.8	253,657	96.6	242,496	95.6
Plain paper copier	966,578	103.4	798,233	82.6	830,633	104.1	801,702	96.5	786,084	98.1	753,359	95.8
Total	1,288,546	102.4	1,077,553	83.6	1,104,888	102.5	1,064,317	96.3	1,039,741	97.7	995,855	95.8

Table 8 Trends in shipment of paper & paperboard

(METRIC TON, %)

Year Grades	2008		2009		2010		2011		2012		2013	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Newsprint	3,716,122	97.6	3,475,521	93.5	3,359,662	96.7	3,192,399	95.0	3,264,154	102.2	3,208,210	98.3
Printing and communication paper	11,374,851	97.1	9,223,247	81.1	9,591,552	104.0	8,760,160	91.3	8,310,527	94.9	8,710,492	104.8
Wrapping paper	980,459	96.6	809,881	82.6	906,612	111.9	894,287	98.6	857,710	95.9	880,865	102.7
Sanitary paper	1,789,503	100.5	1,775,270	99.2	1,791,966	100.9	1,779,008	99.3	1,769,201	99.4	1,752,774	99.1
Miscellaneous paper	817,989	85.8	709,334	86.7	798,946	112.6	782,217	97.9	755,357	96.6	759,028	100.5
Paper total	18,678,924	96.9	15,993,253	85.6	16,448,738	102.8	15,408,071	93.7	14,956,949	97.1	15,311,369	102.4
Liner and corrugating medium	9,217,122	98.2	8,231,767	89.3	8,647,279	105.0	8,764,764	101.4	8,617,099	98.3	8,855,807	102.8
White paperboard	1,629,980	100.9	1,475,912	90.5	1,518,758	102.9	1,533,410	101.0	1,462,569	95.4	1,450,435	99.2
Patent coated paperboard	183,263	94.8	150,454	82.1	155,521	103.4	155,310	99.9	142,770	91.9	145,061	101.6
Building board	210,042	93.1	182,322	86.8	187,011	102.6	203,937	109.1	206,837	101.4	213,089	103.0
Other paperboard	546,944	87.2	416,316	76.1	464,468	111.6	454,908	97.9	431,455	94.8	445,262	103.2
Paperboard total	11,787,351	97.9	10,456,771	88.7	10,973,037	104.9	11,112,329	101.3	10,860,730	97.7	11,109,654	102.3
Total	30,466,275	97.3	26,450,024	86.8	27,421,775	103.7	26,520,400	96.7	25,817,679	97.4	26,421,023	102.3

Year Grades	2008		2009		2010		2011		2012		2013	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Business form paper	317,761	95.4	281,493	88.6	278,101	98.8	262,585	94.4	248,885	94.8	246,805	99.2
Plain paper copier	941,065	100.2	820,895	87.2	834,176	101.6	807,852	96.8	769,439	95.2	766,362	99.6
Total	1,258,826	99.0	1,102,388	87.6	1,112,277	100.9	1,070,437	96.2	1,018,324	95.1	1,013,167	99.5

Table 9 Consumption rate index per ton of fiber for paper production

(METRIC TON, %)

Year	Item For	Consumption of fiber stock (A)	Paper & Paperboard production (B)	Consumotion rate index (A)/(B)
2001	Paper	17,666,864 (98.7)	18,384,941 (96.6)	0.9609
	Paperboard	13,242,788 (96.3)	12,332,251 (96.4)	1.0738
	Total	30,909,652 (97.7)	30,717,192 (96.5)	1.0063
2002	Paper	17,644,033 (99.9)	18,527,880 (100.8)	0.9523
	Paperboard	13,107,668 (99.0)	12,157,965 (98.6)	1.0781
	Total	30,751,701 (99.5)	30,685,845 (99.9)	1.0021
2003	Paper	17,565,160 (99.6)	18,396,362 (99.3)	0.9548
	Paperboard	12,994,895 (99.1)	12,060,516 (99.2)	1.0775
	Total	30,560,055 (99.4)	30,456,878 (99.3)	1.0034
2004	Paper	17,948,930 (102.2)	18,788,241 (102.1)	0.9553
	Paperboard	13,007,905 (100.1)	12,103,373 (100.4)	1.0747
	Total	30,956,835 (101.3)	30,891,614 (101.4)	1.0021
2005	Paper	18,163,689 (101.2)	18,901,072 (100.6)	0.9610
	Paperboard	12,893,043 (99.1)	12,051,254 (99.6)	1.0699
	Total	31,056,732 (100.3)	30,952,326 (100.2)	1.0034
2006	Paper	18,337,089 (101.0)	19,065,678 (100.9)	0.9618
	Paperboard	12,887,922 (100.0)	12,041,940 (99.9)	1.0703
	Total	31,225,011 (100.5)	31,107,618 (100.5)	1.0038
2007	Paper	18,744,092 (102.2)	19,192,208 (100.7)	0.9767
	Paperboard	12,906,761 (100.1)	12,073,546 (100.3)	1.0690
	Total	31,650,853 (101.4)	31,265,754 (100.5)	1.0123
2008	Paper	18,324,610 (97.8)	18,827,707 (98.1)	0.9733
	Paperboard	12,629,827 (97.9)	11,799,748 (97.7)	1.0703
	Total	30,954,437 (97.8)	30,627,455 (98.0)	1.0107
2009	Paper	15,689,104 (85.6)	15,831,919 (84.1)	0.9910
	Paperboard	11,108,030 (88.0)	10,436,033 (88.4)	1.0644
	Total	26,797,134 (86.6)	26,267,952 (85.8)	1.0201
2010	Paper	16,110,510 (102.7)	16,386,761 (103.5)	0.9831
	Paperboard	11,739,724 (105.7)	10,976,567 (105.2)	1.0695
	Total	27,850,234 (103.9)	27,363,328 (104.2)	1.0178
2011	Paper	15,205,890 (94.4)	15,446,015 (94.3)	0.9845
	Paperboard	11,899,841 (101.4)	11,163,271 (101.7)	1.0660
	Total	27,105,731 (97.3)	26,609,286 (97.2)	1.0187
2012	Paper	14,942,558 (98.3)	15,067,165 (97.5)	0.9917
	Paperboard	11,558,610 (97.1)	10,889,727 (97.5)	1.0614
	Total	26,501,168 (97.8)	25,956,892 (97.5)	1.0210
2013	Paper	14,975,980 (100.2)	15,181,609 (100.8)	0.9865
	Paperboard	11,686,729 (101.1)	11,059,163 (101.6)	1.0567
	Total	26,662,709 (100.6)	26,240,772 (101.1)	1.0161

Atn. ():Ratio of the year before

Table 10 Imports of recovered paper classified by countries (2013)

Import No.1

(METRIC TON, CIF 1,000yen, %)

Grades	Old corrugated containers				Unbleached kraft paper and paperboard				Other paper or paperboard made mainly of bleached chemical pulp,					
Countries	USA		Total		USA		Total		USA		Morocco		Total	
Year, Mon.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.
2012 total	14,831	352,840	14,831	352,840	476	17,567	476	17,567	11,588	410,554			11,613	411,827
Ratio of the year before	63.4	51.5	63.1	51.3	59.5	60.6	59.5	60.6	69.3	58.5			69.2	58.4
Proportion	53.7	43.4	53.7	43.4	1.7	2.2	1.7	2.2	42.0	50.5			42.1	50.7
2013 Jan.	805	19,813	805	19,813					889	32,289			889	32,289
Feb.	612	15,069	612	15,069					1,085	43,461			1,085	43,461
Mar.	1,207	31,726	1,207	31,726					1,176	46,228			1,176	46,228
Apr.	872	24,057	872	24,057	47	2,536	47	2,536	1,131	48,027			1,131	48,027
May	1,582	45,674	1,582	45,674					1,905	81,382			1,905	81,382
Jun.	905	25,699	905	25,699					1,255	54,551			1,255	54,551
Jul.	1,198	33,256	1,198	33,256					1,930	83,822			1,930	83,822
Aug.	1,226	34,855	1,226	34,855	22	1,212	22	1,212	1,421	60,957			1,421	60,957
Sep.	1,484	43,910	1,484	43,910					1,511	64,585			1,511	64,585
Oct.	1,102	32,076	1,102	32,076					1,722	74,991			1,722	74,991
Nov.	933	27,509	933	27,509					1,427	61,378			1,427	61,378
Dec.	641	19,432	641	19,432	22	1,270	22	1,270	1,578	71,242	21	848	1,599	72,090
2013 total	12,567	353,076	12,567	353,076	91	5,018	91	5,018	17,030	722,913	21	848	17,051	723,761
Ratio of the year before	84.7	100.1	84.7	100.1	19.1	28.6	19.1	28.6	147.0	176.1	—	—	146.8	175.7
Proportion	41.8	31.9	41.8	31.9	0.3	0.5	0.3	0.5	56.6	65.3	0.1	0.1	56.7	65.4

Grades	Old newspaper								Other, including unsorted waste and scrap								Total	
Countries	USA		Sweden		Philippines		Total		China		Malaysia		Thailand		Total		Quan.	Val.
Year, Mon.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.
2012 total	23	720	70	1,673	17	591	165	4,495	107	8,018	35	6,431			515	26,091	27,600	813,034
Ratio of the year before	—	—	—	—	106.3	114.3	82.1	78.6	148.6	142.9	56.5	68.2			58.0	65.0	65.4	55.4
Proportion	0.1	0.1	0.3	0.2	0.1	0.1	0.6	0.6	0.4	1.0	0.1	0.8			1.9	3.2	100.0	100.0
2013 Jan.									8	758	2	438			10	1,196	1,704	53,298
Feb.									4	368	3	520			7	888	1,704	59,418
Mar.			63	2,078			63	2,078			7	1,216	25	672	32	1,888	2,478	81,920
Apr.			23	749	7	286	30	1,035	8	858					8	858	2,088	76,513
May	38	1,448					38	1,448			3	753			3	753	3,528	129,257
Jun.									12	1,295	1	273			13	1,568	2,173	81,818
Jul.									12	1,251	2	680			14	1,931	3,142	119,009
Aug.	41	1,466					41	1,466	8	843					8	843	2,718	99,333
Sep.	41	1,483					41	1,483	16	1,726	3	398			19	2,124	3,055	112,102
Oct.									16	1,646	4	847			20	2,493	2,844	109,560
Nov.											6	1,603			6	1,603	2,366	90,490
Dec.									12	1,303	2	443			14	1,746	2,276	94,538
2013 total	120	4,397	86	2,827	7	286	213	7,510	96	10,048	33	7,171	25	672	154	17,891	30,076	1,107,256
Ratio of the year before	521.7	610.7	122.9	169.0	41.2	48.4	129.1	167.1	89.7	125.3	94.3	111.5	—	—	29.9	68.6	109.0	136.2
Proportion	0.4	0.4	0.3	0.3	0.0	0.0	0.7	0.7	0.3	0.9	0.1	0.6	0.1	0.1	0.5	1.6	100.0	100.0

Attn. as to the import data by grade in 2012, it contains data of the other countries.

Delete "Paper or paperboard made mainly of mechanical pulp" from the table, because this total in 2013 was nil.

(METRIC TON FOR 1,000 kg, %)

Export No.1

[illegible]

Grades	Other paper or paperboard made mainly of bleached chemical pulp, not colored in the mass																							
Countries	China		Korea		Vietnam		Taiwan		Philippines		Macau		Indonesia		Thailand		India		Bangladesh		Hong Kong		Total	
Year, Mon.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.
2012 total	80,404	1,366,797	3,670	70,325	29,427	566,274	2,768	51,465	2,260	56,703					1,364	26,821	329	8,052					120,320	2,147,969
Ratio of the year before	83.6	73.6		46.3	100.7	39.9	27.9	20.5	41.5	36.3					27.6	22.4	42.8	26.9					66.4	66.4
Proportion	1.6	1.8	0.1	0.1	0.6	0.7	0.1	0.1	0.0	0.1					0.0	0.0	0.0	0.0					2.4	2.8
2013 Jan.	3,899	72,641	480	10,067	621	11,785	111	2,376	212	5,934							41	991					5,364	103,794
Feb.	7,053	132,029	530	11,283	96	1,812	304	7,123	127	4,047					39	1,387							8,151	157,681
Mar.	8,414	179,625	638	14,327	421	8,767	88	2,124	62	2,286	236	4,959			49	852							9,987	214,973
Apr.	12,033	252,956	751	18,184	1,099	23,346	104	2,376	102	3,340	165	3,697			67	1,668							14,361	306,584
May	9,793	195,238	152	4,643	384	8,145	90	2,174	217	8,128													10,636	218,328
Jun.	6,071	113,919	586	14,582	566	11,531	331	7,660	105	3,792			252	6,247	112	2,177	99	2,441					8,122	162,345
Jul.	6,097	109,953	1,087	23,615	389	7,767	227	5,902	43	1,426	348	7,060			169	3,894							8,360	159,617
Aug.	4,259	80,166	687	15,563	932	20,168	282	7,536	45	1,745									92	2,707			6,297	127,885
Sep.	2,844	53,503	1,701	35,849	619	13,844	357	4,436	174	5,855											64	1,254	5,759	114,741
Oct.	4,604	88,937	786	18,874	1,413	29,972	574	12,034	66	2,101													7,443	151,918
Nov.	5,658	109,600	657	16,781	878	18,477	307	6,522	65	2,091	131	2,838			19	696	41	1,034					8,000	164,473
Dec.	4,286	89,185	624	15,278	685	15,349	671	14,129	159	4,034	383	8,654	231	4,326			40	854	244	6,434			7,079	151,805
2013 total	75,011	1,477,752	8,679	199,046	8,105	170,963	3,446	74,392	1,377	44,779	1,263	27,208	483	10,573	455	10,674	340	8,370	336	9,141	64	1,254	99,559	2,034,152
Ratio of the year before	93.3	108.1	236.5	283.0	27.5	30.2	124.5	144.5	60.9	79.0	—	—	—	—	33.4	39.8	103.3				—	—	82.7	82.7
Proportion	1.5	1.7	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3

Grades		Old newspaper																				
Countries	China		Korea		Vietnam		Thailand		Indonesia		Philippines		Macau		Taiwan		Switzerland		Total			
Year, Mon.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.		
2012 total	465,150	7,797,648	106,904	1,708,712	14,506	237,792	17,116	320,143	5,231	95,608	4,618	79,137	768	13,956	276	4,781	614,620	10,262,306	104.2	89.1		
Ratio of the year before	107.8	94.0	96.4	76.8	127.8	105.5	98.2	87.2	76.5	68.1	40.9	32.4	—	—	45.0	40.1						
Proportion	9.4	10.3	2.2	2.2	0.3	0.3	0.3	0.4	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0			12.5	13.5		
2013 Jan.	28,398	474,243	15,220	261,434	3,009	55,639	1,269	24,131	473	8,590	322	4,888		962	17,253					49,653	846,178	
Feb.	39,038	701,771	15,439	273,824	419	8,231	2,352	45,072			1,161	1,671		485	9,332					57,794	1,039,901	
Mar.	39,759	742,267	12,778	236,500	3,002	55,346	1,503	29,491			31	839								57,073	1,064,443	
Apr.	39,928	752,419	11,241	211,161	3,065	61,796	3,186	62,979	1,017	20,636	290	5,140				208	3,589	346	6,473	59,281	1,124,195	
May	39,610	719,837	10,480	192,952	2,831	59,351	2,032	42,111	1,455	27,523	798	14,712				998	16,626			58,204	1,073,114	
Jun.	29,524	542,364	14,421	256,488	483	9,561	2,569	51,263		588	11,594	66	1,476			316	4,639			47,967	877,385	
Jul.	24,299	454,310	24,234	437,454	1,461	30,062	1,653	32,441	364	6,922	26	740								52,037	961,929	
Aug.	22,699	426,959	13,804	251,355	1,135	22,554	1,835	35,362	805	15,242	25	717								40,303	752,189	
Sep.	15,598	298,894	17,088	312,989	3,489	71,068	846	15,905	430	8,420	58	1,414								37,509	708,750	
Oct.	17,939	342,275	14,566	269,928	1,473	30,383	1,015	19,641	780	13,067	87	2,252		226	4,536					36,086	682,082	
Nov.	16,808	331,077	9,201	175,649	2,165	45,114	43	986	1,609	28,883	21	623								29,647	582,332	
Dec.	20,301	422,740	12,128	235,642	1,016	21,681	266	6,245	1,440	26,707										35,151	713,015	
2013 total	333,701	6,209,156	170,600	3,115,376	23,548	470,786	18,569	365,687	8,961	167,584	1,785	34,474	1,673	31,121	1,522	24,856	346	6473			560,705	10,425,513
Ratio of the year before	71.7	79.6	159.6	182.3	162.3	198.0	108.5	114.2	171.3	175.3	38.7	43.6	218.4	223.0	551.4	519.9	—	—			91.2	101.6
Proportion	6.8	7.0	3.5	3.5	0.5	0.5	0.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	11.5	11.8

Attn. as to the import data by grade in 2012, it contains data of the other countries.

Export No.2

(METRIC TON, FOB 1,000yen, %)

Grades	Other paper or paperboard made mainly of bleached mechanical pulp																							
	China		Korea		Taiwan		Vietnam		Thailand		Indonesia		Macau		Malaysia		Philippines		India		Bangladesh		Pakistan	
Countries	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.
Year, Mon.																								
2012 total	1,247,022	18,727,034	50,882	815,759	13,275	189,619	10,294	174,800	423	6,903	9,049	131,807			7,957	131,267	1,541	36,285	141	5,160				
Ratio of	113.0	97.8	112.9	94.1	263.0	206.4	86.4	86.4	10.6	9.4	28.5	21.1			—	—	117.2	131.5	14.5	20.8				
the year before																								
Proportion	25.3	24.7	1.0	1.1	0.3	0.2	0.2	0.2	0.0	0.0	0.2	0.2			0.2	0.2	0.0	0.0	0.0	0.0				
2013 Jan.	80,853	1,339,085	8,497	139,638	2,735	43,022	127	2,351	1,244	17,914							51	1,776						
Feb.	83,268	1,488,969	8,079	138,634	548	7,962	911	15,852	1,197	17,176	247	4,380					64	2,122						
Mar.	96,567	1,803,761	6,224	115,937	2,864	44,820	1,364	25,609	1,126	16,991	156	3,181					52	1,993						
Apr.	118,753	2,220,469	4,878	91,446	976	18,581	1,277	25,061	90	1,822	1,325	25,446												
May	124,591	2,138,107	5,307	97,304	1,471	23,211	923	18,959	1,205	21,624	873	16,476	1,403	27,779			71	2,785						
Jun.	99,424	1,610,385	5,659	91,352	2,947	47,167			2,179	41,267	719	12,378	408	8,370	216	7,109								
Jul.	88,884	1,394,147	9,714	150,490	2,034	33,659	1,724	34,761	491	8,184	123	2,187	465	7,300			50	1,970						
Aug.	62,375	972,754	10,281	157,193	1,517	23,344	1,370	28,395	360	7,137	600	10,072					93	3,596	79	3,694	154	3,492	76	1,920
Sep.	66,281	1,057,647	11,705	181,176	1,815	33,148	595	12,471			1,620	27,894			480	6,739	90	3,354	128	5,354				
Oct.	71,149	1,210,934	11,869	193,797	2,888	48,790	553	10,620	507	9,811	993	16,728							104	2,585				
Nov.	57,662	1,084,862	10,389	178,940	2,484	42,496	804	15,704			173	3,230			151	6,097								
Dec.	65,752	1,298,407	11,772	214,686	1,275	24,105	214	3,224	117	2,548	124	2,320												
2013 total	1,015,559	17,619,527	104,374	1,750,793	23,354	390,295	9,862	193,007	8,516	144,674	6,953	124,292	2,276	43,449	849	19,945	471	17,596	311	11,633	154	3,492	78	1,920
Ratio of	81.4	94.1	205.1	214.6	175.9	205.8	95.8	110.4	2013.2	2095.8	76.8	94.3	—	—	10.7	15.2	30.6	48.5	220.6	225.4	—	—	—	—
the year before																								
Proportion	20.8	20.0	2.1	2.0	0.5	0.4	0.2	0.2	0.2	0.2	0.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Export No.3

Grades	Other, including unsorted waste and scrap																							
	China		Korea		Vietnam		Thailand		Taiwan		Indonesia		Switzerland		Hong Kong		Philippines		Macau		India		Total	
Countries	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.	Quan.	Val.
Year, Mon.																								
2012 total	486,792	7,350,586	18,411	308,584	13,477	288,470	19,667	327,562	3,174	32,704	2,999	46,333			875	6,626	196	4,040	153	2,827	134	2,814	545,878	8,370,546
Ratio of	107.7	90.5	96.9	74.0	37.1	34.8	130.8	102.1	37.8	21.7	22.3	17.0			65.3	55.2	301.5	158.1	—	—	154.0	123.2	100.0	82.6
the year before																								
Proportion	9.9	9.7	0.4	0.4	0.3	0.4	0.4	0.4	0.1	0.0	0.1	0.1			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.0
2013 Jan.	39,932	674,593	6,342	112,249	2,819	50,343	1,688	29,187	1,306	20,160							136	3,078					52,223	889,610
Feb.	50,665	912,967	2,670	50,876	1,933	43,822	3,772	66,206	328	5,896							64	1,481					59,510	1,081,502
Mar.	61,435	1,165,749	3,361	69,732	2,271	45,981	2,012	37,659	943	17,958													70,305	1,342,334
Apr.	78,086	1,482,444	2,189	50,732	3,546	75,992	2,106	41,164	864	14,386													87,265	1,673,948
May	72,168	1,280,174	3,687	76,032	4,274	93,903	5,879	113,392	326	4,412	1,609	29,798											88,080	1,600,878
Jun.	55,679	939,264	5,096	94,102	3,920	87,021	3,349	60,760	1,132	17,514	1,254	20,829	681	10,704	76	537	137	3,167					71,270	1,231,129
Jul.	49,341	806,229	7,697	132,119	3,623	78,556	1,783	31,356	427	4,815					291	4,529	83	398					63,162	1,057,604
Aug.	40,354	654,201	4,704	84,312	3,984	86,840	2,069	38,258	485	9,166	49	1,057											51,731	874,512
Sep.	33,656	552,852	8,373	138,220	3,445	77,023	2,470	46,816	331	5,969													48,275	820,880
Oct.	38,974	664,137	8,776	155,261	3,693	87,103	3,451	58,284	435	8,987													55,329	973,772
Nov.	40,919	761,491	4,931	86,832	2,680	58,757	3,893	78,176	518	10,197	49	1,042			104	540							53,094	997,035
Dec.	55,037	1,105,205	4,935	97,109	2,850	69,097	3,240	64,154	893	15,949													66,955	1,351,514
2013 total	616,246	10,999,008	62,761	1,147,578	39,038	854,438	35,712	665,412	7,988	135,411	3,435	61,956	681	10,704	599	6,512	420	8,124	233	4,899	86	678	767,199	13,894,718
Ratio of	126.6	149.6	340.9	371.9	289.7	296.2	181.6	203.1	251.7	414.1	114.5	133.7	—	—	68.5	98.3	214.3	201.1	152.3	173.3	64.2	24.1	140.5	166.0
the year before																								
Proportion	12.6	12.5	1.3	1.3	0.8	1.0	0.7	0.8	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	15.8

Table 12 Trends in imports of paper & paperboard

(Kg, CIF, 1,000yen)

Year Grades	2013		2012		Ratio of the year before (%)	
	Quant.	Val.	Quant.	Val.	Quant.	Val.
Newsprint (of a width exceeding 161cm)	41,501,000	2,678,089	43,566,000	2,758,824	95.3	97.1
Newsprint (other)	11,106,000	702,903	10,178,000	645,048	109.1	109.0
Printing paper (fine)	46,843,039	4,931,555	71,252,305	6,528,128	65.7	75.5
Printing paper (copy paper)	530,268,326	50,143,943	533,697,372	50,084,611	99.4	100.1
Printing paper (thin paper)	274,685	52,785	915,970	151,463	30.0	34.9
Printing paper (other)	120,612,979	9,673,468	152,635,814	11,799,226	79.0	82.0
Coated paper	341,773,269	28,253,628	469,250,050	37,919,887	72.8	74.5
Coated wood contained paper	338,456,767	24,268,123	507,799,869	38,370,073	66.7	63.2
Sack kraft paper (unbleached)	2,519,718	236,282	3,220,314	260,956	78.2	90.5
Sack kraft paper (bleached)	1,388,682	162,529	1,106,430	112,673	125.5	144.2
Other kraft paper (unbleached)	4,576,901	700,047	7,044,500	813,133	65.0	86.1
Other kraft paper (bleached)	1,666,606	173,868	2,641,126	254,560	63.1	68.3
Tracing paper	217,765	111,220	207,465	105,267	105.0	105.7
Parchment paper, grease proof paper	7,137,114	1,626,709	5,533,820	1,176,417	129.0	138.3
Other paper	23,435,661	6,461,771	21,320,472	4,941,044	109.9	130.8
Paper Total	1,471,778,512	130,176,920	1,830,369,507	155,921,310	80.4	83.5
Kraftliner (unbleached)	53,612,876	3,593,280	57,784,140	3,239,591	92.8	110.9
Kraftliner (bleached)	2,329,753	169,903	3,017,283	216,601	77.2	78.4
Test liner	11,263,236	538,415	18,940,106	872,823	59.5	61.7
Fluting paper (SCP)	672,569	32,692	692,377	27,877	97.1	117.3
Fluting paper (other)	26,061,943	1,046,621	46,509,474	1,750,972	56.0	59.8
Coated white paperboard (CP95%)	75,270,365	8,907,029	60,793,158	6,195,723	123.8	143.8
Coated white paperboard (other)	156,949,734	12,198,737	148,213,923	11,331,330	105.9	107.7
Uncoated white paperboard (CP95%)	9,962,015	1,150,745	12,247,469	1,217,949	81.3	94.5
Uncoated white paperboard (other)	8,777,604	766,741	10,466,237	890,677	83.9	86.1
Kraft paperboard	15,262,955	1,253,558	15,904,830	1,090,766	96.0	114.9
Other paperboards	11,261,393	1,268,235	13,796,413	1,232,892	81.6	102.9
Paperboard Total	371,424,443	30,925,956	388,365,410	28,067,201	95.6	110.2
Paper and Paperboard Total	1,843,202,955	161,102,876	2,218,734,917	183,988,511	83.1	87.6
Hand made paper and paperboard	1,358,198	1,871,787	1,498,275	1,640,038	90.7	114.1
Paper for milk carton	209,817,388	28,504,852	198,428,306	23,094,179	105.7	123.4
Other converted paper total	120,172,798	32,625,213	117,593,622	28,721,801	102.2	113.6
All Kind of Paper Total	2,174,551,339	224,104,728	2,536,255,120	237,444,529	85.7	94.4

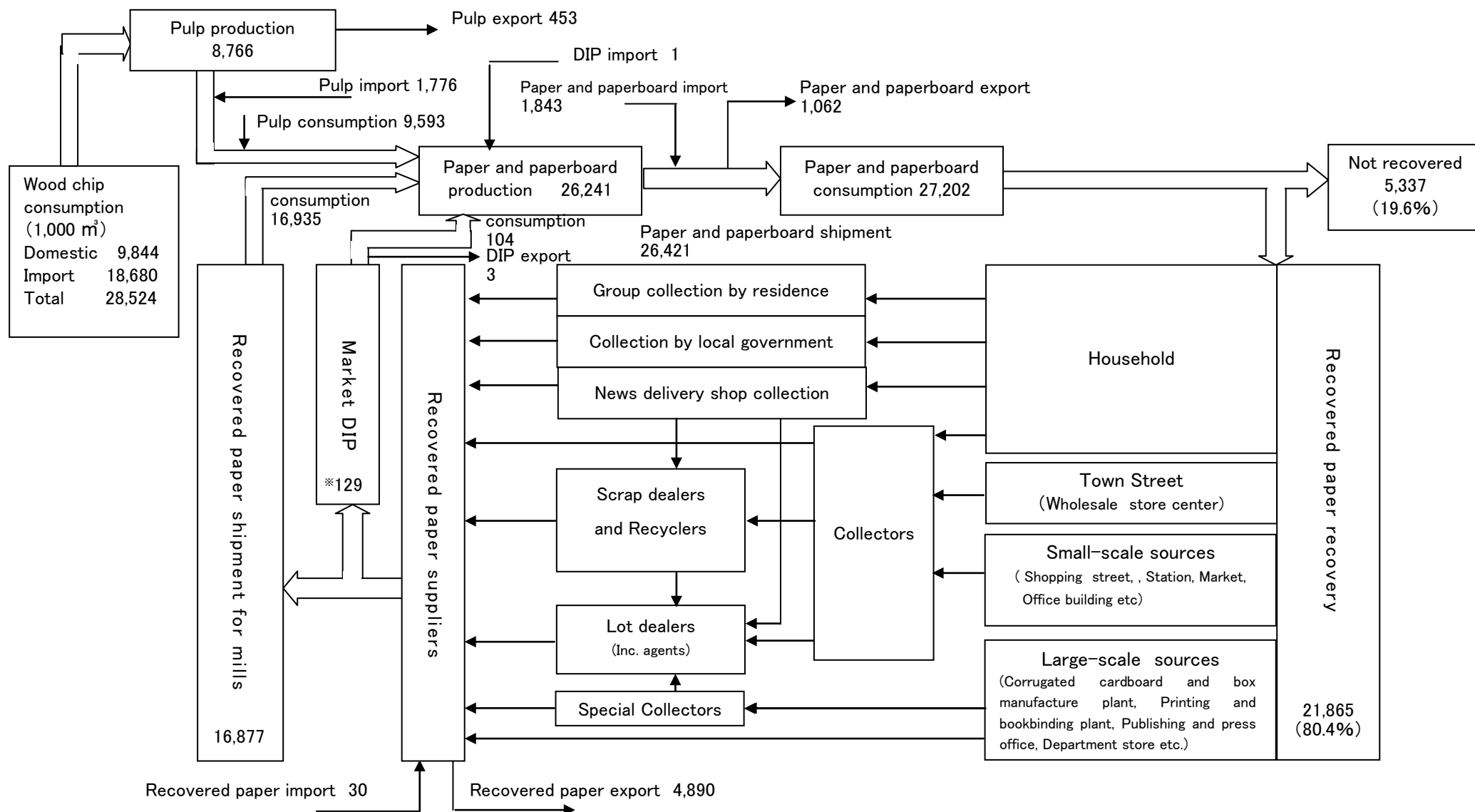
Table 13 Trends in exports of paper & paperboard

(Kg, FOB, 1,000yen)

Year Grades	2013		2012		Ratio of the year before (%)	
	Quant.	Val.	Quant.	Val.	Quant.	Val.
Newspaper	7,286,000	370,565	9,333,000	435,311	78.1	85.1
Printing paper (fine)	107,972,109	10,246,375	103,706,706	8,913,418	104.1	115.0
Printing paper (colored)	13,635,738	1,796,371	13,288,241	1,659,687	102.6	108.2
Printing paper (thin paper)	11,743,815	1,470,079	16,569,692	1,859,132	70.9	79.1
Printing paper (other)	5,015,881	654,680	6,699,824	679,701	74.9	96.3
Other graphic purposes	18,529,157	1,899,733	12,980,328	1,198,969	142.7	158.4
Coated paper	384,888,701	31,517,240	315,873,037	23,585,797	121.8	133.6
Coated wood contained paper	77,688,019	6,535,111	41,918,472	3,715,424	185.3	175.9
Sack kraft paper	65,041,151	4,913,153	48,132,434	3,176,798	135.1	154.7
Other kraft paper	116,010,292	18,033,086	99,020,957	15,175,339	117.2	118.8
Sulphite wrapping paper	49,275	5,457	107,228	15,450	46.0	35.3
Cigarette paper	1,014,166	699,186	1,079,865	676,881	93.9	103.3
Glassine paper	3,814,368	811,060	2,869,624	735,014	132.9	110.3
Tracing paper	24,556	28,870	17,350	21,865	141.5	132.0
Parchment paper, grease proof paper	593,248	284,220	731,110	286,287	81.1	99.3
Other paper	50,177,092	15,815,752	45,986,873	13,501,447	109.1	117.1
Paper Total	863,483,568	95,080,938	718,314,741	75,636,520	120.2	125.7
Kraft liner	9,985,000	476,324	7,733,000	345,868	129.1	137.7
Test liner	68,376,042	3,397,144	45,365,334	2,185,916	150.7	155.4
Fluting paper (SCP)	1,064,000	43,028	151,000	4,544	704.6	946.9
Fluting paper (other)	83,795,824	3,284,700	1,799,538	61,088	4,656.5	5,377.0
Coated white paperboard (CP95%)	918,127	123,079	1,101,800	157,541	83.3	78.1
Coated white paperboard (other)	15,004,125	1,753,753	14,566,821	1,548,295	103.0	113.3
Uncoated white paperboard (CP95%)	419,152	53,872	231,655	58,734	180.9	91.7
Uncoated white paperboard (other)	254,182	49,076	400,384	65,096	63.5	75.4
Kraft paperboard (unbleached)	1,917,748	359,713	454,431	105,147	422.0	342.1
Color paperboard	343,400	47,632	123,268	17,060	278.6	279.2
Other paperboards	16,353,577	3,526,195	15,922,698	3,809,617	102.7	92.6
Paperboard Total	198,431,177	13,114,516	87,849,929	8,358,906	225.9	156.9
Paper and Paperboard Total	1,061,914,745	108,195,454	806,164,670	83,995,426	131.7	128.8
Hand made paper and paperboard	190,281	198,234	215,363	205,998	88.4	96.2
Self-copy paper	2,440,950	409,162	2,813,073	457,491	86.8	89.4
Thermal transfer paper	66,864	168,541	299,279	338,975	22.3	49.7
Cellophane	5,307,417	3,015,789	6,375,996	2,907,614	83.2	103.7
Converted paper total	235,331,281	78,194,403	222,194,876	73,898,110	105.9	105.8
All Kind of Paper Total	1,305,251,538	190,181,583	1,038,063,257	161,803,614	125.7	117.5

Recovered paper generation / Distribution route (2013)

(in 1,000mt, %)



※Market pulp /0.8yield

Table 14 Roles of recovered paper recycling by agents

Agents by channel	recovered paper item	Sellers or generator	Buyers	Function
Collectors	Old newspaper Old magazines Old corrugated containers	Home Wholesale store Station, Market Office buildings	Scrap dealers	1. They collect recovered paper from the steady points where are in the wide distribution of towns. 2. Collectors collect without money 3. Scrap dealers buy with money.
Special Collectors (Commercial waste)	Old corrugated containers Old newspaper Kraft paper waste	Super market Department store	Recovered paper suppliers	1. They have some of the fixed routes already with contract. 2. They buy with money, but in some case, receive the fee for clean up.
Special Collectors (Industrial waste)	Cutting paper waste Old corrugated containers Box board waste	Paper converter or printer	Recovered paper suppliers	1. They have some of the fixed route already with contract. 2. They collect high quality Grades.
Scrap dealers (They recover many kinds of waste)	Old newspaper Old magazines Old corrugated containers	Collectors	Recovered paper suppliers Lot dealers	1. Assort, clean up, compacting of recovered paper. 2. In some case, they have a share of the fixed point on collection system.
Lot dealers (including agents)	All kinds of recovered paper	Collectors	Recovered paper suppliers	1. Sometimes, they carry recovered paper to the paper maker by order of Recovered paper supplier.
Recovered paper suppliers	All kinds of recovered paper	Scrap dealer Lot dealers	Paper makers	1. Sorting and bailing of recovered paper. 2. They have stock as a measure of the supply and demand control function. 3. They must be registered for the paper stock section of the paper maker's mills as his trader.

Table 15 Estimation of recovery rate by grades (2013)

(METRIC TON)

Grades	Recovery	Consumption of Paper or Paperboard	2013 recovery rate (%)	2012 recovery rate (%)
Hard white shavings, white cards	5,600,040	12,273,184	45.6	47.9
White woody shavings, white manila				
Fine paper printed (incl. coated paper)				
Quires woody printed paper				
Old magazines				
Old newspaper	4,707,632	3,155,925	149.2	147.0
Kraft browns	10,409,254	9,296,601	112.0	110.8
Old corrugated containers				
Box board cuttings	1,148,526	2,476,575	46.4	37.7
Total	21,865,452	27,202,285	80.4	79.9

Attn. :

1. Recovery quantity = Shipment from papermakers + Exports - Imports + Market pulp (0.8 yield and produced with recovered paper)
2. Consumption of paper or paperboard in Japan = Shipment from papermakers - Exports - Imports
3. Consumption of paper or paperboard
 - a) The 100% recovered paper of Printing and communication paper, Bleached wrapping paper, Sanitary paper, Miscellaneous paper become of Hard white shavings, white cards, White woody shavings, white manila, Fine paper printed, Miscellaneous paper, and Old magazines, and 3% of Newsprint and Manila board become of the above grades after used.
 - b) About 97% of Newsprint become of Old newspaper after used
 - c) All of Unbleached wrapping paper (Kraft paper) become of Kraft browns after used.
 - d) All of Corrugated container become Old corrugated containers after used.
 - e) All of White paperboard (except Manila board), Core board, Building board, Other paperboard and 97% of Manila board become of Box board cuttings after used.

Table 16 Estimation rate of recovered paper consumption for paper prduction (2013)

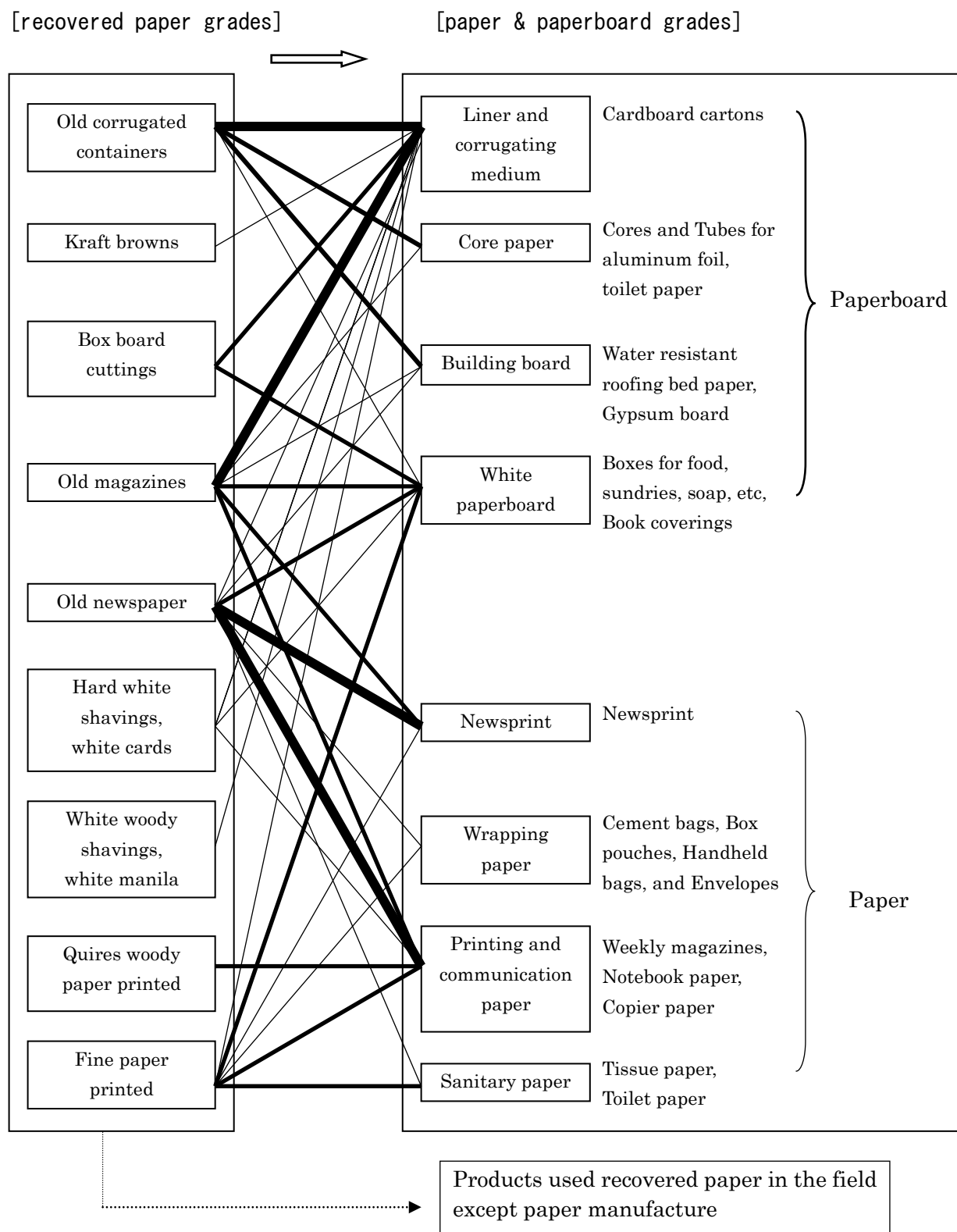
Grades	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
Newsprint	0.9510	—	0.0009	0.0233	—	—	0.8431	0.0827	—	0.0010
Printing and communication paper	0.2240	0.0014	0.0003	0.0629	—	0.0126	0.1290	0.0177	—	0.0000
Wrapping paper	0.0847	0.0000	—	0.0401	0.0084	—	0.0294	0.0065	0.0003	—
Sanitary paper	0.5633	—	—	0.5546	—	0.0027	0.0060	—	—	—
Miscellaneous paper	0.0387	0.0004	—	0.0119	0.0011	—	0.0206	0.0005	0.0035	0.0008
Paper total	0.3994	0.0008	0.0004	0.1065	0.0005	0.0075	0.2552	0.0280	0.0002	0.0003
Kraft Liner	1.0079	0.0038	0.0035	0.0074	0.0042	0.0000	0.0101	0.0907	0.8694	0.0189
Test liner (Jute Liner)	1.0427	0.0032	0.0105	0.0134	0.0051	—	0.0263	0.2759	0.6747	0.0335
Recycled liner	1.0558	0.0548	0.0897	0.0096	0.0007	0.0108	0.0339	0.2518	0.5691	0.0354
Corrugating medium	1.0196	—	—	0.0001	0.0016	—	0.0010	0.0784	0.9110	0.0275
Manila paperboard	0.4523	0.0032	0.0014	0.2011	—	0.0007	0.0598	0.1837	0.0002	0.0023
White paperboard	1.0020	0.0226	0.0044	0.1511	—	0.0095	0.1280	0.5932	0.0092	0.0839
Chipboard (Colored Board)	1.0103	0.0065	0.0128	0.0126	0.0131	0.0078	0.0701	0.2991	0.1642	0.4240
Building board	0.9945	0.0034	0.0250	0.0004	—	—	0.0504	0.1800	0.7055	0.0299
Other paperboard	0.9792	0.0052	—	0.0008	0.0156	0.0038	0.0156	0.0473	0.8772	0.0135
Paperboard Total	0.9869	0.0046	0.0045	0.0266	0.0034	0.0012	0.0230	0.1585	0.7319	0.0332
Total	0.6473	0.0024	0.0021	0.0728	0.0017	0.0048	0.1572	0.0831	0.3090	0.0142

Attn. The recovered paper consumption for the paper or paperboard making by grade / The paper or paperboard production

"Corrugating medium" is the sum of "High garade medium" and "Recycled medium", from 2013

Estimate by pulp & paper annual statistics ,monthly statistics of paper,print, plastic and rubber product by METI and investigation of recovered paper consumption by P.R.P.C

Table 17 Use of recovered paper (2013)



(note)

Consumption	1,000 thousand metric ton/year and over
Consumption	100 thousand metric ton/year and over
Consumption	10 thousand metric ton/year and over

Table 18 Trends of quantity and composition ratio of products used recovered paper^(n.1) in the field except paper manufacture

product field \ year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Solid fiberboard	33,921	34,823	23,953	29,025	34,630	24,776	18,770	22,200	21,809	20,398	18,618
	10.2	8.2	4.8	5.2	5.4	4.1	2.9	2.2	2.0	1.8	1.5
Animal bedding	5,895	6,999	7,221	7,452	6,568	5,580	5,550	3,500	3,610	4,160	4,030
	1.8	1.6	1.4	1.3	1.0	0.9	0.9	0.4	0.3	0.4	0.3
Celullose insulation	11,010	12,180	12,652	14,637	14,825	16,119	14,866	14,942	14,667	11,765	12,538
	3.3	2.9	2.5	2.6	2.3	2.6	2.3	1.5	1.4	1.0	1.0
Molded pulp	47,814	49,680	46,406	53,145	52,009	47,120	43,652	41,187	42,243	38,090	37,127
	14.3	11.6	9.2	9.5	8.2	7.7	6.8	4.1	3.9	3.4	3.0
RPF ^(n.2)	184,824	265,268	371,943	417,317	475,102	465,509	509,084	865,988	940,536	991,113	1,120,620
	55.4	62.2	73.9	74.3	74.5	76.2	79.8	86.7	87.4	88.2	89.4
Dehydrate assistant ^(n.3) Cover material ^(n.4)	3,594	4,825	4,394	5,558	6,160	4,595	5,300	8,600	5,710	7,190	4,360
	1.1	1.1	0.9	1.0	1.0	0.8	0.8	0.9	0.5	0.6	0.3
Filler for building materials	42,000	43,000	33,300	31,500	45,000	41,300	35,900	35,400	40,100	46,000	47,700
	12.6	10.1	6.6	5.6	7.1	6.8	5.6	3.5	3.7	4.1	3.8
Others ^(n.5)	4,606	9,745	3,253	3,006	3,832	5,620	4,806	6,873	7,819	5,548	9,198
	1.4	2.3	0.6	0.5	0.6	0.9	0.8	0.7	0.7	0.5	0.7
Product total mass	333,664	426,520	503,122	561,640	638,126	610,619	637,928	998,690	1,076,494	1,124,264	1,254,191
Total mass of used recovered paper	202,303	234,715	258,422	270,369	285,543	252,686	242,825	286,949	233,492	298,732	287,638
Ratio of used recovered paper ^(n.6)	60.6	55.0	51.4	48.1	44.7	41.4	38.1	28.7	21.7	26.6	22.9

note : upper/lower = Product mass(metric ton)/Composition ratio(percent)

n.1 :include wastepaper

n.2: Refuse Paper & Plastic Fuel

n.3: Assistant which dehydrates drainage and sewage

n.4: Material which covers waste in landfill

n.5: Packaging protection, Deodorant, Paper clay, Oil and Liquid absorb material, Highway seeding and so on

n.6: (Total mass of used recovered paper/Product total mass) × 100

**Table19 The list of Japanese standard qualities of recovered paper by
Paper Recycling Promotion Center**

Revised: Feb. 24, 2010

Statistical Group	No.	Grade	Description
Hard white shavings, white card	1	White shavings	Shavings or sheets of white unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities
	2	Cream shavings	Shavings or sheets of cream-colored unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities.
	3	Ruled-paper shavings	Shavings or sheets of white or cream-colored unprinted wood-free paper with red or blue ruling or register marks, collected from bookbinders, printers, and sheet cutting facilities.
White woody shavings, white manila	4	High-grade white wood-containing shavings	Shavings or sheets of white unprinted high-grade wood-containing paper collected from bookbinders, printers, and sheet cutting facilities.
	5	White wood-containing shavings	Shavings or sheets of white unprinted groundwood paper collected from bookbinders, printers, and newspaper printing plants.
Fine paper printed (incl. coated paper)	6	White ledger	White wood-free paper printed with black ink.
	7	Color ledger	White wood-free uncoated or coated paper printed in color.
	8	Wood-free shavings with partial color print	Shavings of white uncoated or coated wood-free paper, some of which is color printed, collected from bookbinders and printers.
	9	Coated white shavings	Shavings or sheets of unprinted coated paper collected from bookbinders and printers.
	10	Fliers	high-grade wood-containing white paper, etc.
	11	Polycoated milk carton stock	Washed used household polycoated beverage cartons, and shavings and sheets of industrially generated polycoated milk carton board, with no aluminum content.
	12	Sorted office paper	Paper and paper products from offices, consisting primarily of loose black-printed or color-printed paper and copier paper.
Quires woody paper printed	13	High-grade color-printed wood-containing shavings	Shavings of high-grade wood-containing white paper printed in various colors, collected from bookbinders and printers.
	14	Color-printed wood-containing shavings	Shavings of groundwood paper printed in various colors, collected from bookbinders and printers.
	15	High-grade wood-containing waste	Sheets of high-grade wood-containing paper, black-printed or color-printed, and groundwood paper collected from bookbinders and printers.
Old newspaper	16	Old newspaper	Old newspapers and Inserts collected from residences, companies, public offices, etc.
Old magazines	17	Old magazines	Old magazines, old books, returned books, remaindered books, and pamphlets collected from residences, companies, public offices, etc.

Statistical Group	No .	Grade	Description
Kraft browns	18	New brown kraft cuttings, unprinted brown kraft	Cuttings and sheets of unprinted brown kraft paper collected from kraft paper sack factories.
	19	Used brown kraft sacks	Used brown kraft sacks for rice, wheat, etc.
	20	Kraft lined corrugated containers	Kraft corrugated cuttings and old kraft corrugated containers. (Comprised mainly of imports.)
Old corrugated containers	21	Old corrugated containers	Old corrugated containers collected from offices, residences, etc.
	22	New Double-lined kraft corrugated cuttings	New corrugated cuttings and sheets from packaging products factories.
Box board cuttings	23	Mill wrappers	Used wrapping for paper and paperboard.
	24	White paperboard cuttings	Cuttings and die cuttings of white paperboard, chipboard, etc. collected from carton makers.
	25	Chipboard cuttings (Carton)	Old cartons from offices, etc.
	26	Sorted residential old paper and paperboard	Paper, paperboard, and products thereof, collected from residences, exclusive of (separated from) old newspaper, old magazines, old corrugated containers and milk cartons.

Table20 Trends in price of recovered papers

(Yen/Ton , pressed)

Year, Mon.	White shavings	White wood-containing shavings *	White ledger *	Color ledger *	Old newspaper	Old magazines	Old corrugated containers
2010 Jan	34,000~40,000	21,000~39,000	17,000~18,000	13,000~14,000	13,000	11,000	15,000
Feb	34,000~40,000	21,000~39,000	17,000~18,000	13,000~14,000	13,000	11,000	15,000
Mar	34,000~40,000	21,000~39,000	17,000~18,000	13,000~14,000	13,000	11,000	15,000
Apr	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
May	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
Jun	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
Jul	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
Aug	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
Sep	34,000~40,000	21,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	15,000
Oct	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Nov	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Dec	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
2011 Jan	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Feb	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Mar	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Apr	34,000~40,000	21,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
May	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Jun	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Jul	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Aug	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Sep	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	15,000
Oct	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	17,000
Nov	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	17,000
Dec	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	17,000
2012 Jan	34,000~40,000	23,000~39,000	21,000~22,000	17,000~18,000	15,000	14,000	17,000
Feb	34,000~40,000	23,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	17,000
Mar	34,000~40,000	23,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	17,000
Apr	34,000~40,000	23,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	17,000
May	34,000~40,000	23,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	17,000
Jun	34,000~40,000	23,000~39,000	19,000~20,000	15,000~16,000	15,000	14,000	17,000
Jul	34,000~40,000	23,000~39,000	17,000~18,000	13,000~14,000	15,000	14,000	15,000~17,000
Aug	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	15,000
Sep	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	15,000
Oct	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~15,000
Nov	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~15,000
Dec	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
2013 Jan	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Feb	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Mar	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Apr	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
May	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Jun	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Jul	33,000~39,000	22,000~38,000	17,000~18,000	13,000~14,000	14,000	12,000	13,000~14,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000	12,000	13,000~15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000	12,000	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000	12,000	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14000~	12000~	15,000~16,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14000~	12000~	15,000~16,000

Attn. The table is showing paper maker's purchase prices in Tokyo except for the figures marked with * showing prices in Shizuoka area.

The paper maker's purchase prices are without the delivery cost for White shavings, Old newspaper, Old magazines and Old corrugated containers to mills.

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