Interstate Freight in Australia, 1972–2005

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1 Introduction

There have been previous BTRE aggregate estimates and forecasts of interstate freight. Perry and Gargett (1998) made the first estimates. Later and updated estimates have recently been published by the Bureau (BTRE 2006, Chapter 5).

A start was made last year on disaggregate road interstate freight estimates – 56 State-to-State origin-destination (OD) time series (Gargett *et*. *al*. 2006).

This paper adds new disaggregate rail and coastal shipping State-to-State OD pair freight series and derives new OD pair interstate freight forecasts to 2030–31.

These estimates are important because capital city to capital city data has dried up, whereas annual interstate freight estimates can be derived from the Survey of Motor Vehicle Use (SMVU) (ABS 2007) for road, from rail companies for rail (BTRE 2007a), and from the BTRE for coastal shipping (BTRE 2007b).

2 Interstate road freight estimates

As detailed in an Australian Transport Research Forum (ATRF) paper last year (see Gargett *et*. *al*. 2006), a methodology has been developed to estimate new road freight origin destination (OD) matrices. Table 18 in the SMVU data cube gives what is termed a 'State of registration to State of destination' table. This is multiplied by a correction matrix (see Table 1), derived from a comparison of the SMVU Table 18 for 2001 with the ABS 2001 Freight Movement Survey (FMS) OD table. The result of the multiplication is an estimated interstate road freight OD matrix for the latest year of SMVU data.

For each of the 56 OD pairs, a regression is then re-run to interpolate between what are scattered interstate road freight estimates. The regressors used are truck tonnage series for the Hume and Eyre highways. The result is a series of 56 OD pair estimates of road freight flows (see Table 2 at the end of the paper).

Table 1 Correction table for SMVU data cube Table 18.

	Destination							
Origin	NSW	VIC	Qld	SA	WA	TAS	NT	ACT
NSW		3.56	3.78	4.01	6.79	0.00	6.79	4.53
VIC	0.70		1.51	1.08	0.97	0.00	1.00	1.48
QLD	0.93	2.89		1.78	2.00	0.00	1.27	1.00
SA	0.83	1.14	1.65		2.07	0.00	2.43	2.50
WA	2.00	4.49	2.87	2.40		0.00	4.25	1.00
TAS	0.00	0.00	0.00	0.00	0.00		0.00	0.00
NT	1.67	1.00	2.19	0.85	1.96	0.00		1.00
ACT	0.32	0.44	0.72	1.61	1.00	0.00	1.00	

Figure 1 shows an example from Victoria to New South Wales.

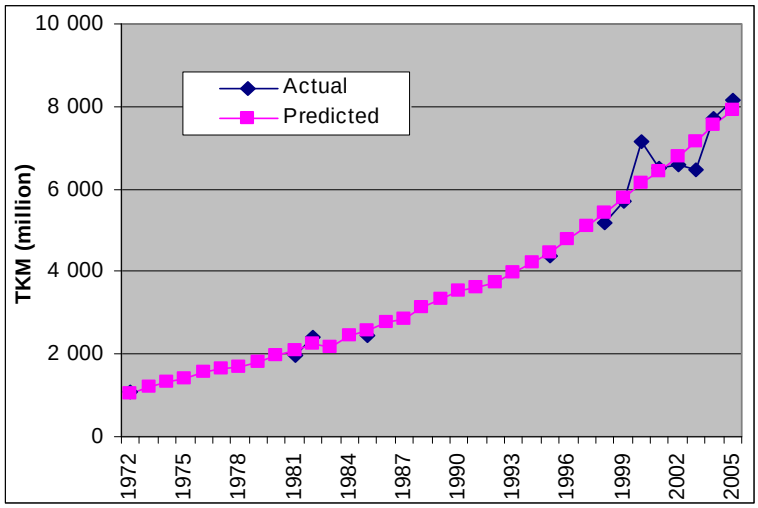

Figure 1 Interstate road freight data points and interpolation, Victoria to New South Wales.

3 Interstate rail forecasts

Many data sources were used to provide the base matrices of interstate rail freight for interpolation. The rail freight figures are for total interstate rail freight (inter-modal plus bulk).

These data sources included BTE (1976, 1979, 1983, 1985), FreightInfo^{TM}04 (and earlier), ABS (1982), ABS (1993 and earlier), ABS (1999 and earlier), ABS (2001) and BTRE (2007a). This latter publication has included interstate rail freight data for 2006 from the various rail systems, thus partially ending a rail data drought that has lasted since 2001.

The methodology for interpolation between data points was by straight lines. Judgement was often needed, as there were often multiple and sometimes conflicting data points. However, rail has a fair number of measured data points, which limits the interpolation task.

Figure 2 shows an example of the rail data points for the Victoria to Queensland route and the final series estimated (dotted line).

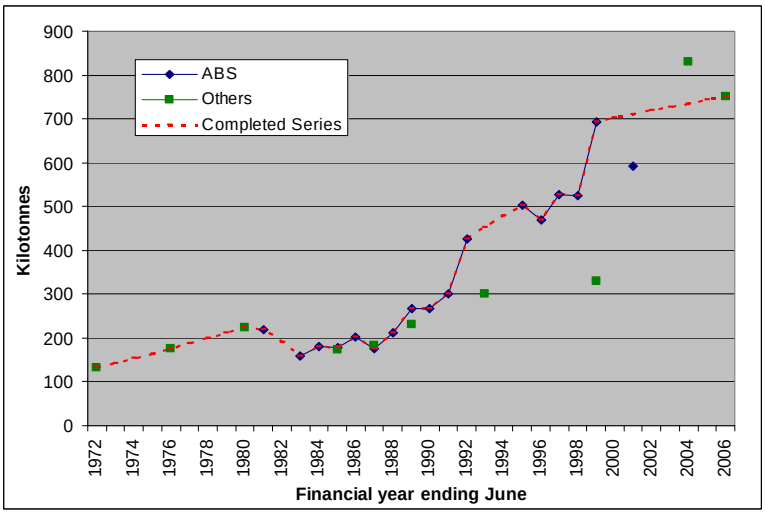

Figure 2 Interstate rail freight data points and interpolation, Victoria to Queensland.

The result was a series of 56 OD pair estimates of State-to-State rail freight flows (see Table 2 at the end of the paper).

As can be seen from Figures 3 and 4, the assignment of our State-to-State estimates of interstate freight to the East-West and North-South Australian Rail Track Corporation (ARTC) routes, results in gross tonne-kilometre series that are similar to the ARTC series, which is available from 1999 onwards on the East-West corridor, and for 2005 and 2006 on the North-South corridor (ARTC 2007). Net tonne-kilometres in our estimates have been doubled to approximate gross tonne-kilometres. ARTC tonne-kilometre figures include some intrastate traffic, and so our estimates should be lower, but with the same trend — as they are.

4 Interstate shipping

Shipping data for most years is available from the BTRE's Coastal Shipping databases (BTRE 2007 and earlier). Unlike road and rail, coastal shipping was defined to include only non-bulk freight, as shipping bulk freight is a very different animal from road and rail cargoes. Interpolation was only necessary in the early 1970s.

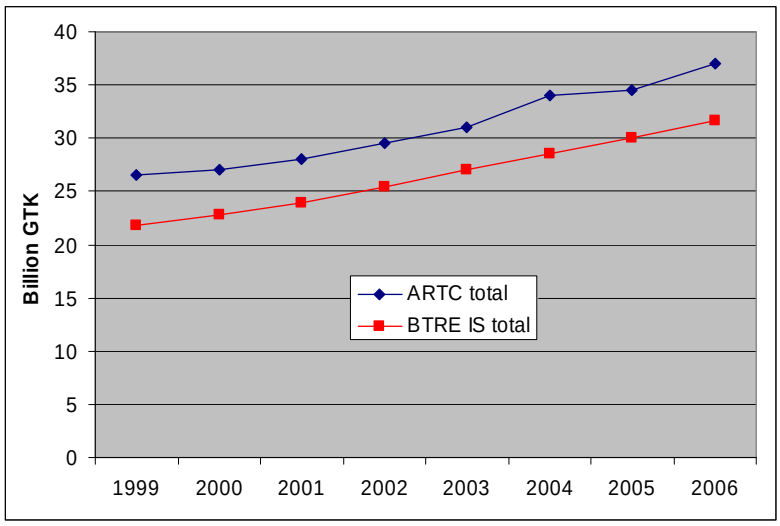

Figure 3 East-West rail gross tonne-kilometres, ARTC and current interstate rail freight estimates assigned.

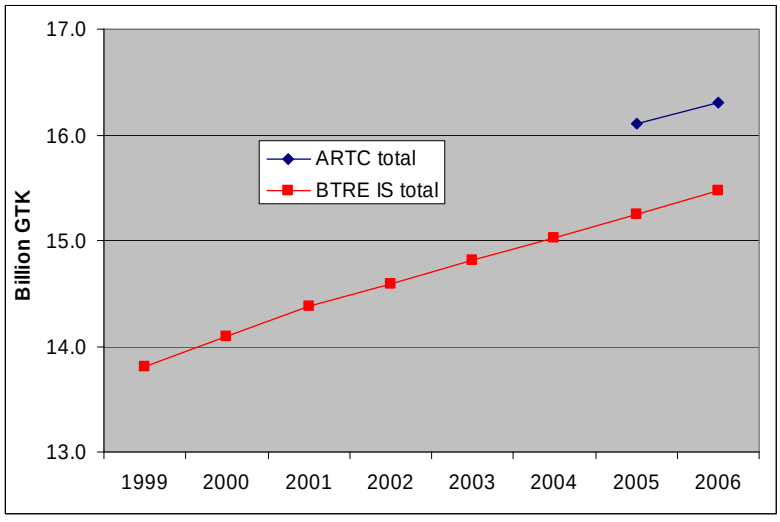

Figure 4 North-South rail gross tonne-kilometres, ARTC and current interstate rail freight estimates assigned.

5 Final interstate freight database

Table 2 sets out the tonnage estimates by mode for the 56 OD pairs.

Forecasts are also included in Table 2. There are two components of the forecasts – total freight on each of the 56 OD pairs, and the mode shares.

Table 3 gives the forecasting equations derived for total (all modes) freight on each route. Non-farm Gross Domestic Product (GDP) and change in GDP are the major explanators. Minor variables are a dummy for 1979 to 1988 (for delayed fuel price effects) and some route-specific dummies. The tonnage forecasts were made using Treasury's Intergenerational GDP forecasts (Treasury 2007). The average assumed GDP growth rate between 2005 and 2031 was 2.7 per cent per year. The assumed rates taper off over the years. One change has been made to the OD pair forecasts – that is, after 2010, the maximum income elasticity has been set to 1.9. Some of the ODs have huge elasticities and unless these are constrained they blow up the forecasts. Thus, to err on the side of the conservatism, we have constrained the huge elasticities. For example, Western Australia to South Australia has an income elasticity of 2.7442 (see Table 3). After 2010, this has been set to 1.90 in deriving the OD forecasts. If the OD elasticities are not constrained, the resulting aggregate interstate freight forecast would be 10 per cent higher.

Mode share forecasts were made using a logistic substitution methodology (BTRE 2006, p 66). Basically, the mode shares are projected forward using competitiveness indices based on past experience. These are business-as-usual forecasts, based as they are on historical trends alone.

Also shown in Table 2 are the route distances by mode. These have been derived from the 2001 Freight Movement Survey of the Australian Bureau of Statistics (ABS 2001, Cat. No. 9220.0, Table 4 divided by Table 3). When these are multiplied by the route kilotonnes, and the resulting tonne-kilometres summed over the routes, aggregate interstate tonne-kilometres by mode and total are derived. These are shown in Table 4.

Also shown in Table 4 are previous BTRE estimates of interstate freight derived from aggregate data on interstate freight (BTRE 2006, p 53). For example, the road figures were from SMVU estimates of total interstate road freight multiplied by 1.4 to allow for the interstate task done within the State of origin – something the SMVU does not define as interstate. For example, for road, freight tonne-kilometres of a shipment from Melbourne to Sydney, the SMVU would only record as interstate that portion of the task done on the Albury-Sydney leg. The 1.4 is a national-level adjustment of SMVU data to account for this fact. The two estimated series agree tolerably well given the differences in their methods of derivation and source datasets.

Table 4 also presents the forecast to 2031 derived from aggregating OD pair tonne-kilometre forecasts, and a forecast series for total interstate freight resulting from an aggregate regression. Table 5 gives the details of that equation. The income elasticity is 1.54, compared to an earlier BTRE income elasticity estimate for interstate freight of 1.4 (BTRE 2006, p 250).

Both the 'sum of routes' and 'aggregate' forecasts come to about the same result, with one reaching the level of the other only one year earlier by the end of the forecasts period (see Figure 5). Interstate freight is forecast to almost triple in 25 years. If one restricts the growth period to 20 years, then interstate freight is 2.5 times as great at the end of the period. This compares to the non-bulk freight category, which doubles over 20 years. But interstate has always been the fastest growing major freight category.

Table 3 Equations for individual routes.

Route	Years	Constant	GDP	Change GDP	dummy 1979-88	dummy 2	dummy 2 defined as:
NSW-VIC	72-05	-11.7957	1.5652	0.0070	-0.0477		
VIC-NSW	72-05	-12.5081	1.6169	-0.0048	0.0133	-0.0512	99-02=1.0; 03-05=1.5
NSW-QLD	72-05	-15.1392	1.7855	-0.0040	0.0315	-0.0619	00-01=1.0; 02-05=1.5
QLD-NSW	72-05	-19.0992	2.0691	-0.0088	0.0606	-0.0710	99-02=1.0; 03-04=1.5; 05=2.0
NSW-SA	72-96	-17.8669	1.8965	0.0053	-0.0199		
	97-05	-4.9436	0.9439	-0.0074			
SA-NSW	72-97	-16.3447	1.7775	-0.0006	0.0655		
	98-05	-9.4713	1.2554	-0.0038			
NSW-WA	72-94	-13.3063	1.4906	0.0222	-0.0842		
	95-05	-0.9469	0.5732	-0.0033		-0.1004	99=1.0
WA-NSW	72-05	-12.9706	1.4027	0.0205	-0.2184	0.1550	03-05=2.0
NSW-ACT	72-05	-7.2720	1.0813	0.0216	-0.1099	0.0972	01-05=1.0
ACT-NSW	72-00	-23.5102	2.2115	-0.0087	0.0757		
	O1-05	-16.6531	1.7033	-0.0091			
NSW-NT	72-88	7.5113	-0.3115	0.0190	-0.1320		
	89-05	-15.7753	1.4696	0.0066			
NT-NSW	72-05	-14.5027	1.2847	0.0161	-0.1239		
NSW-TAS	72-05	set to 40					
TAS-NSW	72-05	set to 100					
VIC-QLD	72-05	-11.5187	1.4183	0.0152	-0.0533		
QLD-VIC	72-05	-28.4933	2.6591	0.0049	-0.0617	-0.0562	03-05=1.0
VIC-SA	72-05	-19.7142	2.0966	-0.0062	-0.0067	-0.0283	03-05=1.0
SA-VIC	72-05	-19.1015	2.0577	0.0052	0.0013		
VIC-WA	72-91	-8.0223	1.1020	0.0197	-0.1248		
	92-05	-14.0371	1.5534	-0.0009			
WA-VIC	72-05	-10.0855	1.1852	0.0161	-0.1957	0.3282	03-05=1.0
VIC-ACT	72-05	13.6371	-0.6891	-0.0030	0.0888		
ACT-VIC	72-05	-14.7782	1.3878	-0.0065	0.1849		
VIC-NT	72-05	set to 14					
NT-VIC	72-05	-11.3342	1.1046	0.0107	-0.1611	0.0942	01-05=1.0
VIC-TAS	72-05	4.4527	0.1678	0.0470	-0.4716	0.7929	00-02=0.3; 03=0.4; 04=0.65; 05=0.8
TAS-VIC	72-05	-13.5144	1.5405	0.0334	-0.1224	0.2278	04-05=1.0
QLD-SA	72-89	-21.9700	2.0705	-0.0038	-0.0757		
	90-05	-13.9367	1.4750	-0.0122			
SA-QLD	72-00	-12.9231	1.4244	0.0030	0.0327		
	01-05	2.5581	0.2801	0.0009			
QLD-WA	72-05	-13.4624	1.3239	0.0602	-0.6138	0.6780	93=0.25; 94=0.5; 95=0.75; 96-05=1.0
WA-QLD	72-05	-29.9427	2.6121	0.0093	-0.6545	-0.3376	00-05=1.0
QLD-ACT	72-05	set to 0					
ACT-QLD	72-05	set to 0					
QLD-NT	72-05	-13.7616	1.3933	-0.0016	0.0396	-0.2122	85-95=1.0
NT-QLD	72-05	-19.7275	1.8624	-0.0160	0.1078	-0.0815	00-04=1.0; 05=2.0
QLD-TAS	72-05	set to 6					
TAS-QLD	72-05	set to 10					
SA-WA	72-05	-23.8435	2.3258	0.0001	-0.2299	-0.5808	99=0.3; 00-01=0.6; 02=0.9; 03-05=1.0
WA-SA	72-05	-30.1980	**2.7442**	0.0280	-0.1947	-0.3946	97=0.25; 98=0.5; 99=0.75; 00-05=1.0
SA-ACT	72-05	set to 0					
ACT-SA	72-05	set to 0					
SA-NT	72-05	-13.3813	1.4467	0.0158	-0.0874		
NT-SA	72-05	-14.9499	1.5621	0.0063	-0.0327		
SA-TAS	72-05	set to 0					
TAS-SA	72-05	set to 10					
WA-ACT	72-05	set to 0					
ACT-WA	72-05	set to 0					
WA-NT	72-05	-21.2917	1.9594	0.0102	-0.0168		
NT-WA	72-05	-20.7870	1.9037	0.0085	-0.5597	0.6738	98=0.5; 04=1.0
WA-TAS	72-05	set to 8					
TAS-WA	72-05	set to 50					
ACT-NT	72-05	set to 0					
NT-ACT	72-05	set to 0					
ACT-TAS	72-05	set to 0					
TAS-ACT	72-05	set to 0					
NT-TAS	72-05	set to 0					
TAS-NT	72-05	set to 0					

Table 4 Aggregate estimates/forecasts.

Year	Current disaggregate methodology				Previous aggregate methodology				Current aggregate equation
	Total Road	Total Rail	Total Sea	**Total Interstate**	Total Road	Total Rail	Total Sea	**Total Interstate**	**Total Interstate**
1972	5.3	6.1	6.4	**17.7**	5.9	8.4	6.6	**20.9**	**17.2**
1973	6.6	6.6	5.6	**18.8**	6.8	8.6	6.1	**21.4**	**18.5**
1974	7.9	7.2	4.7	**19.8**	7.6	9.1	6.3	**23.1**	**19.7**
1975	8.4	7.7	4.0	**20.1**	7.9	8.7	5.8	**22.3**	**19.8**
1976	9.3	8.3	3.2	**20.8**	8.5	8.9	5.4	**22.8**	**20.8**
1977	9.8	8.5	2.5	**20.8**	9.2	9.2	4.8	**23.3**	**21.9**
1978	9.9	8.7	2.4	**21.1**	9.5	8.9	4.6	**23.0**	**21.8**
1979	11.0	8.9	2.4	**22.3**	10.7	9.7	4.0	**24.4**	**22.7**
1980	12.5	9.2	2.3	**24.0**	11.9	10.5	3.8	**26.1**	**23.5**
1981	13.5	9.4	2.3	**25.2**	13.0	10.9	3.5	**27.5**	**25.1**
1982	14.5	9.0	2.2	**25.7**	14.0	11.3	3.5	**28.8**	**25.8**
1983	12.9	8.6	2.4	**23.9**	13.9	10.0	2.4	**26.2**	**24.2**
1984	16.2	9.4	2.9	**28.5**	15.4	11.4	2.8	**29.6**	**27.2**
1985	16.7	9.4	2.9	**29.0**	16.9	11.3	2.9	**31.1**	**29.8**
1986	18.9	9.7	2.6	**31.2**	18.6	11.4	2.6	**32.6**	**31.7**
1987	19.1	10.8	2.5	**32.5**	19.3	11.8	2.6	**33.6**	**32.3**
1988	21.8	12.4	2.0	**36.1**	21.1	12.9	2.5	**36.6**	**36.2**
1989	24.2	14.0	2.2	**40.4**	22.9	14.5	2.8	**40.2**	**40.3**
1990	25.5	13.8	1.9	**41.2**	24.6	14.7	2.7	**42.0**	**42.6**
1991	25.5	13.1	1.7	**40.3**	24.2	13.6	2.8	**40.6**	**40.2**
1992	25.9	13.5	2.0	**41.5**	23.9	13.6	2.9	**40.4**	**40.9**
1993	28.8	14.5	2.0	**45.3**	25.5	14.2	3.1	**42.8**	**44.5**
1994	30.6	15.5	2.1	**48.2**	27.0	14.5	3.3	**44.7**	**47.6**
1995	32.9	16.4	2.5	**51.8**	29.7	13.9	3.4	**47.0**	**52.1**
1996	36.0	16.3	2.5	**54.9**	32.3	14.4	3.6	**50.2**	**53.9**
1997	38.5	16.9	2.6	**57.9**	34.1	15.3	3.6	**53.0**	**57.4**
1998	41.0	17.8	3.5	**62.3**	37.1	15.9	4.3	**57.3**	**62.0**
1999	43.6	18.4	3.0	**65.1**	40.0	16.5	4.4	**60.9**	**67.1**
2000	46.2	19.2	4.4	**69.8**	43.4	17.5	5.7	**66.5**	**70.5**
2001	47.2	20.0	4.6	**71.7**	45.2	17.6	6.9	**69.8**	**71.2**
2002	49.6	21.0	6.5	**77.1**	49.1	18.6	6.2	**73.9**	**76.7**
2003	52.1	22.0	7.3	**81.4**	51.9	19.5	7.3	**78.7**	**82.2**
2004	55.7	23.0	7.9	**86.6**					**85.5**
2005	58.5	24.0	6.4	**88.9**					**88.8**
2006	61.2	25.0	6.1	**92.4**					**92.5**
2007	64.2	26.1	6.3	**96.6**					**96.3**
2008	68.5	27.8	6.7	**103.1**					**102.7**
2009	71.0	28.6	6.8	**106.4**					**105.4**
2010	74.2	29.7	7.0	**110.9**					**109.8**
2011	77.4	30.8	7.1	**115.3**					**113.9**
2012	80.8	31.9	7.4	**120.1**					**118.4**
2013	84.4	33.1	7.6	**125.2**					**123.3**
2014	88.2	34.4	7.8	**130.5**					**128.3**
2015	92.3	35.8	8.0	**136.1**					**133.8**
2016	96.3	37.1	8.3	**141.7**					**138.9**
2017	100.6	38.5	8.5	**147.7**					**144.5**
2018	105.2	40.0	8.8	**154.0**					**150.3**
2019	109.9	41.5	9.0	**160.6**					**156.5**
2020	115.0	43.2	9.3	**167.5**					**163.0**
2021	120.2	44.9	9.6	**174.7**					**169.7**
2022	125.7	46.6	10.0	**182.3**					**176.7**
2023	131.4	48.5	10.3	**190.2**					**184.0**
2024	137.4	50.4	10.6	**198.5**					**191.6**
2025	143.7	52.4	11.0	**207.2**					**199.7**
2026	150.3	54.5	11.4	**216.2**					**208.0**
2027	157.2	56.7	11.7	**225.7**					**216.7**
2028	164.5	59.0	12.1	**235.7**					**225.7**
2029	172.1	61.4	12.6	**246.0**					**235.1**
2030	180.0	63.9	13.0	**256.9**					**245.0**
2031	188.3	66.5	13.5	**268.3**					**255.1**

Table 5 Aggregate interstate freight equation.

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.99923
R Square	0.99846
Adjusted R Square	0.99831
Standard Error	0.02092
Observations	34

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	3	8.514744	2.838248	6483.201	2.91022E-42
Residual	30	0.013134	0.000438		
Total	33	8.527877			

	Coefficients	*Standard Error*	*t Stat*	*P-value*
Intercept	-16.6372	0.159456	-104.3377	5.57E-40
log non-farm GDP	1.542471	0.012108	127.3924	1.41E-42
Change non-farm GDP	0.00933	0.002148	4.3415	0.000148
dummy 1979-88	-0.06881	0.008405	-8.1874	3.87E-09

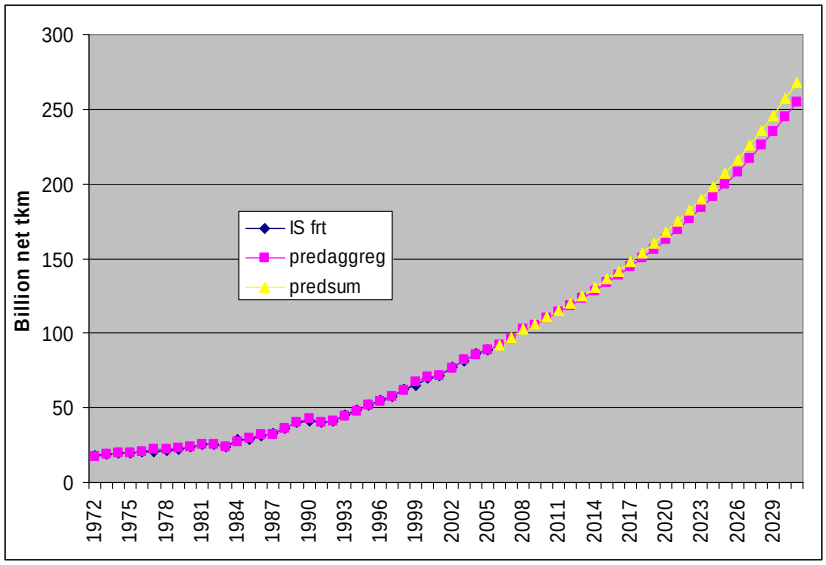

Figure 5 Interstate freight estimates and ‘sum of routes’ and ‘aggregate’ forecasts.

Of course, this forecast growth is predicated on there being no decoupling of freight growth from economic growth over the forecast period. It may well be that after a quarter of a century such decoupling, although not apparent as of 2007, will have become a reality, resulting in a tapering off of the exponential growth trend apparent in Figure 5.

Figures 6 and 7 show the mode splits derived from the ‘sum of routes’ forecasts — total and mode split. As has been commented on in conjunction with previous forecasts, there is nothing pre-ordained about the mode split forecasts. They are business-as-usual projections, and as such may not come to pass if, for example, rail became much more competitive on routes shorter than 1 500 kilometres as a result of investment, technological change and reorganisation, or if much higher oil prices changed the competitiveness of rail versus road.

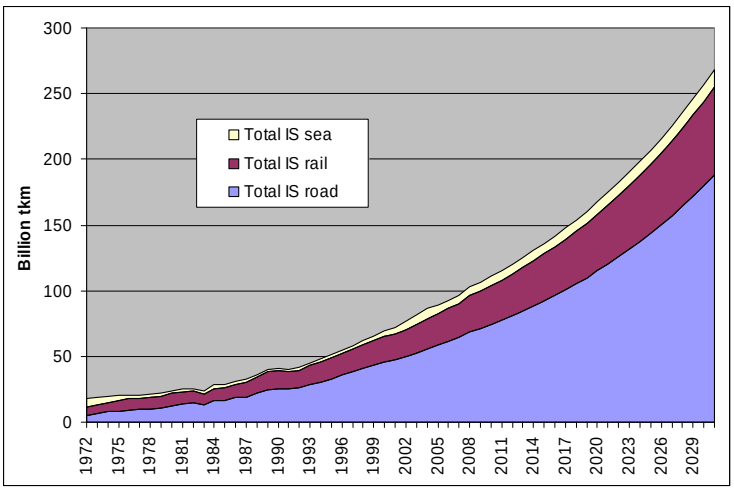

Figure 6 Total interstate freight by mode.

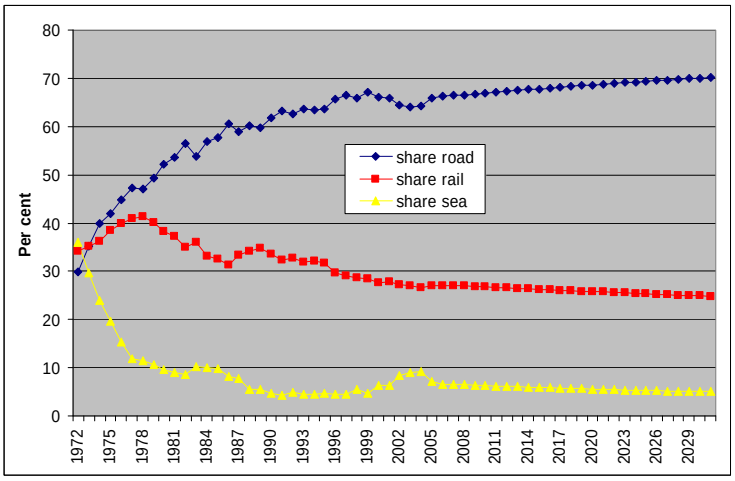

Figure 7 Interstate freight mode share.

6 Conclusions

It has been possible to derive detailed OD pair data on modal freight flows between States over almost 35 years.

The road estimates, when aggregated to tonne-kilometres, agree quite well with previous aggregate estimates by the BTRE. The rail estimates, when aggregated to tonne-kilometres and assigned to the rail network, agree quite closely with available ARTC data on corridor rail tasks. Coastal shipping has been quite completely measured by the BTRE in the past.

Thus it is now possible to use the estimation methodologies presented in this and a previous ATRF paper to update annually a comprehensive dataset on 56 OD pairs and to provide basecase forecasts for each OD pair and for the aggregate interstate freight task.

The paper also presents forecasts from 2006 to 2031 of freight tonnages, by corridor, by mode. When these forecasts are aggregated, the resulting total interstate freight task is forecast to almost triple over the next 25 years.

In conclusion, the State-to-State business-as-usual forecasts will be useful in assessing the likely future freight flows between States on the interstate road, rail and port networks, in assessing the success of efforts to improve these networks, and in assessing changes over time in the base State-to-State freight flow patterns.

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031

Year	NSW-VIC				VIC-NSW				NSW-QLD				QLD-NSW				NSW-SA				SA-NSW				NSW-WA				WA-NSW			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	2810	1330	1300	180	2440	1730	650	52	1380	620	660	100	950	580	320	53	390	230	160	3	400	220	180	2	250	9	100	130	140	12	12	110
1973	3050	1630	1300	120	2720	1980	640	89	1590	780	710	99	1100	720	330	51	440	270	160	3	450	270	180	2	270	14	130	120	140	19	37	86
1974	3270	1900	1300	70	2970	2210	640	130	1800	940	770	97	1240	860	330	50	480	320	160	3	490	310	180	2	300	19	160	110	150	25	62	58
1975	3370	2030	1300	47	3100	2340	630	130	1910	1010	830	72	1300	930	340	39	500	340	160	3	500	330	180	0	310	22	200	96	160	29	87	43
1976	3610	2290	1300	24	3310	2560	630	130	2090	1160	880	48	1430	1060	340	29	540	380	160	3	540	360	180	0	320	17	230	77	160	23	110	27
1977	3730	2410	1300	21	3380	2690	630	55	2190	1230	920	42	1520	1130	360	36	580	400	180	3	590	380	210	0	330	19	240	75	130	26	100	0
1978	3760	2450	1300	18	3470	2780	630	55	2230	1250	950	37	1560	1150	370	43	610	400	200	3	620	390	230	0	340	20	250	73	120	26	92	0
1979	4000	2680	1300	15	3680	2990	640	55	2400	1390	980	32	1710	1270	390	50	660	440	220	3	690	420	260	0	350	24	260	71	110	32	82	0
1980	4320	3010	1300	12	3960	3260	640	55	2630	1580	1010	27	1910	1450	400	57	730	490	240	3	760	470	290	0	370	30	270	70	110	40	72	0
1981	4540	3230	1300	9	4170	3470	650	55	2830	1720	1080	22	2020	1570	380	64	750	520	220	3	820	510	310	0	370	35	270	68	120	46	73	0
1982	4500	3450	1050	6	4380	3670	650	55	2860	1850	990	17	2180	1700	420	71	760	560	200	3	820	540	290	0	350	41	240	66	150	53	100	0
1983	3930	3130	800	3	4270	3560	660	55	2570	1660	900	12	2050	1520	450	79	700	510	180	10	760	490	260	14	320	34	220	64	170	43	130	0
1984	4760	3810	950	3	4740	4060	680	2	3080	2080	980	24	2350	1900	390	58	830	620	210	1	900	590	310	0	410	50	260	100	170	64	90	14
1985	4860	3930	920	2	4980	4220	740	12	3150	2150	970	27	2420	1970	440	11	860	630	220	0	910	610	300	0	430	54	250	130	180	69	93	21
1986	5330	4370	960	2	5280	4580	700	0	3540	2430	1090	22	2820	2220	590	3	860	700	160	1	940	670	270	0	500	67	300	130	200	83	120	4
1987	5640	4430	1200	2	5440	4720	720	0	3610	2470	1130	3	2900	2250	640	5	1020	710	310	0	950	680	270	0	450	69	310	72	190	83	110	0
1988	6050	4950	1100	2	5960	5130	830	2	4050	2800	1250	2	3140	2550	590	3	1140	790	350	0	1100	760	350	0	560	86	480	1	200	100	100	0
1989	6660	5410	1250	3	6460	5510	950	2	4570	3100	1460	4	3430	2830	600	0	1250	860	400	0	1210	820	370	21	650	100	530	19	230	120	110	4
1990	6900	5670	1230	3	6660	5780	870	0	4670	3270	1390	5	3610	2980	620	9	1360	900	460	3	1240	860	380	0	570	110	450	1	240	130	110	0
1991	6840	5740	1100	3	6790	5960	830	7	4520	3320	1190	9	3580	3020	560	3	1320	910	410	4	1170	870	300	0	540	110	430	6	220	120	100	0
1992	6890	5810	1080	3	6740	6130	600	3	4480	3370	1110	4	3640	3060	570	4	1230	920	310	1	1200	880	320	0	600	110	470	15	240	120	120	1
1993	7470	6270	1190	3	7190	6540	640	10	4820	3680	1130	5	3900	3340	550	6	1440	990	450	5	1320	950	380	0	650	150	500	11	290	150	150	2
1994	7980	6670	1300	3	7620	6920	660	41	5110	3940	1150	9	4120	3580	530	6	1640	1050	590	3	1400	1000	400	0	700	150	520	23	320	150	170	1
1995	8480	7060	1410	3	8000	7310	680	12	5400	4210	1170	9	4350	3830	510	12	1840	1110	730	3	1480	1060	430	0	790	180	550	58	360	160	200	4
1996	9410	7770	1630	4	8520	7880	610	29	5870	4700	1150	21	4760	4260	490	5	2020	1210	800	5	1520	1160	360	0	800	180	560	50	290	160	130	1
1997	10060	8370	1650	48	9070	8390	650	33	6150	5120	1020	12	5100	4640	460	3	2160	1300	860	0	1540	1240	300	2	820	180	590	48	340	160	190	0
1998	10730	8980	1660	96	9590	8920	630	38	6620	5550	1000	69	5650	5020	590	36	2190	1390	800	1	1600	1330	270	3	850	190	600	66	390	150	240	0
1999	11370	9710	1630	28	10100	9530	570	6	7120	6070	1000	53	5980	5490	480	7	2320	1500	820	0	1690	1430	260	0	780	170	610	2	460	140	310	8
2000	12280	10430	1770	84	10730	10140	570	25	7560	6590	900	72	6490	5950	500	33	2410	1600	800	2	1790	1530	260	3	880	160	620	110	470	130	300	42
2001	12720	10790	1900	34	11160	10560	570	29	7710	6850	800	60	6880	6190	500	200	2490	1660	800	29	1840	1580	260	3	920	150	620	160	430	120	290	23
2002	13350	11420	1880	51	11720	11150	570	4	8120	7310	800	20	7120	6600	500	20	2550	1750	800	3	1940	1670	260	16	920	140	630	150	520	120	340	66
2003	13940	12030	1850	69	12320	11730	570	15	8640	7760	790	87	7510	7000	500	11	2650	1840	800	10	2010	1750	260	2	950	140	630	180	600	120	380	110
2004	14630	12790	1820	19	13000	12420	570	19	9280	8330	790	170	8190	7510	500	190	2750	1950	800	4	2110	1850	260	2	940	150	640	160	560	120	430	8
2005	15180	13350	1800	31	13590	13000	570	29	9650	8750	780	120	8440	7880	500	61	2830	2030	800	6	2190	1930	260	0	970	170	640	160	640	140	470	34
2006	15900	14000	1870	32	14190	13570	590	30	10160	9220	810	130	8610	8040	510	62	2900	2080	820	6	2260	2000	260	0	990	170	660	160	640	140	490	9
2007	16580	14610	1930	34	14820	14180	610	31	10660	9680	840	140	9100	8500	530	66	2970	2130	840	7	2340	2070	270	0	1010	170	670	160	670	150	510	10
2008	17290	15250	2000	35	15470	14800	640	33	11180	10160	870	140	9620	8990	560	69	3050	2180	860	7	2420	2140	280	0	1020	180	680	170	690	150	530	10
2009	18020	15920	2070	37	16150	15460	660	34	11720	10670	910	150	10160	9500	590	73	3130	2240	880	7	2500	2220	280	0	1040	180	690	170	720	160	550	10
2010	18790	16610	2140	38	16860	16140	680	36	12290	11200	940	160	10680	9990	610	77	3210	2290	910	7	2580	2290	290	0	1050	180	700	170	740	160	570	11
2011	19590	17340	2210	40	17610	16860	710	37	12890	11750	970	160	11230	10510	640	81	3290	2350	930	7	2670	2370	300	0	1070	180	710	170	770	170	590	11
2012	20420	18090	2290	41	18380	17600	740	39	13520	12340	1010	170	11810	11050	670	85	3370	2410	950	7	2760	2460	310	0	1090	190	720	180	800	180	610	12
2013	21290	18880	2370	43	19190	18380	770	41	14180	12950	1050	180	12410	11630	700	89	3460	2470	980	8	2860	2540	310	0	1100	190	730	180	830	180	640	12
2014	22200	19710	2450	45	20040	19200	800	42	14870	13590	1090	190	13050	12230	730	93	3550	2540	1000	8	2950	2630	320	0	1120	190	740	180	860	190	660	12
2015	23150	20570	2530	47	20920	20050	830	44	15590	14270	1130	200	13720	12860	760	98	3640	2600	1030	8	3050	2720	330	0	1140	200	760	180	900	200	690	13
2016	24130	21460	2620	49	21840	20930	860	46	16350	14980	1170	210	14420	13530	790	100	3730	2670	1050	8	3160	2820	340	0	1150	200	770	190	930	210	710	13
2017	25160	22400	2710	51	22800	21860	890	48	17150	15720	1210	220	15160	14220	830	110	3820	2730	1080	8	3270	2920	350	0	1170	200	780	190	970	210	740	14
2018	26230	23370	2800	53	23800	22830	920	50	17980	16500	1260	230	15940	14960	860	110	3920	2800	1110	9	3380	3020	360	0	1190	210	790	190	1000	220	770	14
2019	27350	24390	2900	56	24850	23840	960	52	18860	17320	1300	240	16760	15730	900	120	4020	2880	1140	9	3490	3130	370	0	1210	210	800	200	1040	230	800	15
2020	28510	25450	3000	58	25940	24890	990	55	19780	18180	1350	250	17620	16550	940	130	4120	2950	1170	9	3610	3240	380	0	1230	210	820	200	1080	240	830	16
2021	29730	26560	3100	60	27090	26000	1030	57	20740	19080	1400	260	18520	17400	980	130	4230	3020	1200	9	3730	3350	380	0	1250	220	830	200	1120	250	860	16
2022	30990	27720	3210	63	28280	27150	1070	59	21750	20030	1450	280	19470	18300	1030	140	4340	3100	1230	10	3860	3470	390	0	1270	220	840	200	1170	260	890	17
2023	32310	28930	3320	66	29520	28350	1110	62	22810	21020	1510	290	20470	19250	1070	150	4450	3180	1260	10	3990	3590	400	0	1290	220	850	210	1210	270	930	17
2024	33690	30190	3430	69	30820	29600	1160	65	23920	22060	1560	300	21520	20240	1120	150	4560	3260	1290	10	4130	3710	420	0	1300	230	870	210	1260	280	960	18
2025	35120	31500	3550	72	32180	30910	1200	67	25090	23150	1620	320	22620	21290	1170	160	4680	3340	1320	10	4270	3840	430	0	1320	230	880	210	1300	290	1000	19
2026	36620	32870	3670	75	33600	32280	1240	70	26310	24300	1680	330	23780	22390	1220	170	4800	3430	1360	11	4410	3980	440	0	1350	240	890	220	1350	300	1040	19
2027	38180	34300	3800	78	35070	33710	1290	73	27590	25510	1740	350	25000	23550	1280	180	4920	3510	1390	11	4560	4110	450	0	1370	240	910	220	1410	310	1070	20
2028	39800	35790	3930	81	36620	35200	1340	76	28940	26770	1800	370	26290	24770	1330	190	5040	3600	1430	11	4720	4260	460	0	1390	240	920	220	1460	320	1120	21
2029	41500	37350	4060	85	38230	36760	1390	80	30350	28090	1870	380	27630	26050	1390	200	5170	3700	1460	11	4880	4410	470	0	1410	250	930	230	1520	340	1160	22
2030	43270	38980	4200	88	39910	38380	1450	83	31830	29490	1940	400	29050	27390	1450	210	5300	3790	1500	12	5040	4560	480	0	1430	250	950	230	1570	350	1200	23
2031	45110	40670	4340	92	41670	40080	1500	87	33380	30940	2010	420	30540	28810	1520	220	5440	3890	1540	12	5220	4720	500	0	1450	260	960	230	1630	360	1250	23

Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only. *(continued)*

Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.

Distance (km)	614	592	1097	608	665	1038	789	1069	1290	759	915	1292	1075	663	2101	1215	1957	2119	4106	4203	4027	4027	4095	5674

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031 (continued)

Year	NSW-ACT				ACT-NSW				NSW-NT				NT-NSW				NSW-TAS				TAS-NSW				VIC-QLD				QLD-VIC				VIC-SA				SA-VIC			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	780	270	510	0	63	58	5	0	40	9	4	26	6	3	0	3	150	0	0	150	240	0	0	240	540	210	130	200	150	65	43	45	810	400	410	5	920	320	580	17
1973	750	320	430	0	75	70	5	0	39	11	4	24	7	4	0	3	160	0	0	160	160	0	0	160	630	310	140	170	180	90	42	45	880	460	420	6	1020	420	580	17
1974	720	370	350	0	90	85	5	0	39	13	4	22	7	4	1	3	170	0	0	170	83	0	0	83	710	420	150	140	200	120	40	45	940	520	420	8	1120	520	580	17
1975	660	390	270	0	98	93	5	0	37	13	4	20	7	4	1	2	180	0	0	180	71	0	0	71	710	440	160	110	210	130	39	43	1000	560	420	15	1160	560	580	8
1976	630	440	190	0	110	100	5	0	37	15	4	18	7	5	1	1	190	0	0	190	60	0	0	60	790	540	180	81	230	150	37	40	1070	620	420	23	1250	670	580	0
1977	640	460	190	0	120	110	5	0	35	15	4	16	6	5	1	0	170	0	0	170	89	0	0	89	800	540	190	70	220	160	39	17	1120	670	430	22	1330	710	610	0
1978	650	460	180	0	120	110	5	0	34	16	4	14	6	5	1	0	160	0	0	160	120	0	0	120	760	500	200	60	220	170	41	17	1170	710	440	22	1370	730	640	0
1979	680	500	180	0	130	120	5	0	33	17	4	12	7	6	1	0	140	0	0	140	150	0	0	150	830	570	210	49	250	190	42	17	1240	780	440	21	1500	830	670	0
1980	730	560	170	0	150	140	5	0	33	19	4	10	7	6	1	0	120	0	0	120	180	0	0	180	950	690	220	38	290	230	44	17	1330	860	450	21	1670	970	700	0
1981	760	590	170	0	160	150	5	0	32	20	4	8	7	6	1	0	110	0	0	110	210	0	0	210	980	730	220	27	310	250	39	17	1450	930	500	20	1810	1070	750	0
1982	780	630	150	0	170	170	5	0	31	21	4	6	8	7	1	0	94	0	0	94	240	0	0	240	980	770	190	17	340	280	43	17	1540	1010	510	20	1840	1160	680	0
1983	710	580	140	0	150	150	5	0	27	19	4	4	7	6	1	0	79	0	0	79	270	0	0	270	690	530	160	6	300	240	46	17	1560	1020	520	19	1640	1020	610	3
1984	850	690	160	0	190	190	5	0	28	23	4	1	8	7	1	0	110	0	0	110	310	0	0	310	980	790	180	8	430	320	70	36	1810	1170	630	6	2070	1340	730	0
1985	880	710	170	0	190	190	5	0	28	24	4	0	8	8	1	0	110	0	0	110	300	0	0	300	940	760	180	5	420	330	80	7	1910	1250	660	4	2090	1390	700	0
1986	900	780	120	0	220	220	5	0	30	26	4	0	9	8	1	0	130	0	0	130	260	0	0	260	1100	890	200	4	480	390	81	1	1960	1380	580	0	2260	1610	640	15
1987	920	800	120	0	220	220	5	0	30	26	4	0	9	8	1	0	120	0	0	120	320	0	0	320	1000	820	180	2	480	400	85	0	2030	1460	580	0	2360	1640	720	0
1988	1010	880	130	0	250	250	5	0	32	28	4	0	10	9	1	0	110	0	0	110	180	0	0	180	1180	970	210	0	560	470	85	0	2260	1610	650	0	2730	1900	820	0
1989	1080	950	130	0	280	270	5	0	35	31	4	0	11	10	1	0	97	0	0	97	290	0	0	290	1360	1090	270	1	650	540	110	0	2520	1770	750	0	3060	2150	910	0
1990	1120	1000	120	0	290	290	5	0	36	32	4	0	11	10	1	0	90	0	0	90	140	0	0	140	1360	1100	270	0	710	580	130	0	2670	1900	770	0	3040	2290	740	10
1991	1130	1010	120	0	290	290	5	0	36	32	4	0	12	11	1	0	93	0	0	93	160	0	0	160	1300	1000	300	0	730	580	140	0	2810	2000	810	0	3030	2330	700	1
1992	1130	1020	110	0	300	290	5	0	37	33	4	0	12	11	1	0	130	0	0	130	200	0	0	200	1350	920	430	4	780	590	190	0	2960	2120	840	0	3120	2370	750	0
1993	1190	1090	97	0	330	320	5	0	39	35	4	0	12	11	1	0	90	0	0	90	180	0	0	180	1460	1000	450	6	910	660	200	54	3150	2300	850	0	3480	2630	850	0
1994	1240	1160	81	0	350	340	5	0	45	37	4	4	14	12	1	1	98	0	0	98	140	0	0	140	1530	1040	480	10	940	720	210	6	3270	2490	780	2	3810	2860	950	3
1995	1280	1220	66	0	370	370	5	0	42	38	4	0	15	13	1	1	70	0	0	70	200	0	0	200	1580	1070	500	6	1010	780	220	1	3390	2690	700	2	4140	3090	1040	0
1996	1400	1330	70	0	410	410	5	0	52	42	4	6	16	14	1	1	49	0	0	49	120	0	0	120	1710	1230	470	16	1110	910	190	7	3680	2950	700	29	4590	3520	1060	0
1997	1500	1420	80	0	450	440	5	0	57	45	4	9	16	15	1	0	34	0	0	34	1	0	0	1	1860	1320	530	15	1260	1010	230	12	4140	3210	930	3	4840	3900	950	2
1998	1610	1520	91	0	480	480	5	0	57	47	4	5	17	16	1	0	14	0	0	14	12	0	0	12	1990	1410	520	50	1420	1120	290	8	4770	3490	1280	10	5360	4290	1060	5
1999	1720	1630	93	0	530	530	5	0	58	51	4	3	18	17	1	0	12	0	0	12	3	0	0	3	2260	1540	690	25	1540	1260	260	21	5050	3800	1240	6	5620	4770	850	0
2000	1840	1740	98	0	570	570	5	0	66	54	4	8	19	18	1	0	40	0	0	40	210	0	0	210	2430	1650	700	81	1730	1400	300	22	5420	4130	1280	8	6170	5260	910	1
2001	1900	1790	100	0	600	590	5	0	64	55	4	4	19	18	1	0	57	0	0	57	73	0	0	73	2350	1600	710	41	1860	1470	350	43	5740	4410	1320	17	6520	5510	960	51
2002	1960	1890	69	0	630	630	0	0	63	58	4	1	20	19	1	0	32	0	0	32	51	0	0	51	2440	1650	720	79	1990	1590	390	8	6140	4750	1360	30	6970	5950	1020	0
2003	2020	1980	34	0	660	660	0	0	71	60	4	6	21	20	1	0	35	0	0	35	44	0	0	44	2520	1670	730	120	2160	1720	440	10	6540	5120	1390	27	7460	6390	1080	0
2004	2090	2090	0	0	710	710	0	0	70	64	4	2	22	21	1	0	33	0	0	33	52	0	0	52	2710	1750	730	230	2370	1880	480	6	7010	5540	1430	41	8090	6950	1140	3
2005	2180	2180	0	0	750	750	0	0	75	66	4	5	23	22	1	0	40	0	0	40	370	0	0	370	2680	1730	740	200	2520	1990	530	2	7470	5930	1470	69	8560	7360	1190	6
2006	2210	2210	0	0	780	780	0	0	80	70	4	5	23	22	1	0	40	0	0	40	100	0	0	100	2860	1850	790	220	2710	2140	570	2	7890	6280	1540	73	9060	7810	1250	7
2007	2280	2280	0	0	820	820	0	0	83	73	4	6	24	23	1	0	40	0	0	40	100	0	0	100	2970	1920	820	220	2910	2300	610	3	8340	6650	1620	77	9570	8260	1300	7
2008	2340	2340	0	0	860	860	0	0	87	76	5	6	25	24	1	0	40	0	0	40	100	0	0	100	3090	2000	860	230	3120	2460	660	3	8820	7040	1700	82	10110	8740	1360	7
2009	2410	2410	0	0	900	900	0	0	90	79	5	6	26	24	1	0	40	0	0	40	100	0	0	100	3200	2070	890	240	3350	2640	700	3	9330	7450	1790	87	10680	9250	1420	8
2010	2480	2480	0	0	940	940	0	0	94	82	5	6	27	25	1	0	40	0	0	40	100	0	0	100	3330	2150	920	250	3520	2780	740	3	9810	7850	1870	91	11230	9750	1480	8
2011	2560	2560	0	0	980	980	0	0	97	86	5	6	28	26	1	0	40	0	0	40	100	0	0	100	3460	2240	960	260	3700	2920	780	3	10310	8260	1950	100	11810	10260	1530	9
2012	2630	2630	0	0	1030	1030	0	0	100	89	5	7	29	27	1	0	40	0	0	40	100	0	0	100	3590	2320	1000	270	3890	3070	820	3	10840	8700	2040	100	12410	10810	1590	9
2013	2710	2710	0	0	1080	1080	0	0	110	93	6	7	30	28	1	0	40	0	0	40	100	0	0	100	3730	2410	1030	280	4090	3230	860	4	11390	9160	2130	110	13050	11380	1660	10
2014	2790	2790	0	0	1130	1130	0	0	110	97	6	7	31	29	1	0	40	0	0	40	100	0	0	100	3870	2500	1070	290	4300	3400	900	4	11980	9640	2220	110	13720	11990	1720	10
2015	2870	2870	0	0	1180	1180	0	0	110	100	6	7	32	30	1	0	40	0	0	40	100	0	0	100	4020	2600	1110	300	4530	3570	950	4	12590	10150	2320	120	14420	12620	1790	11
2016	2950	2950	0	0	1240	1240	0	0	120	100	6	7	33	31	1	0	40	0	0	40	100	0	0	100	4170	2700	1160	310	4760	3750	1000	4	13240	10690	2430	120	15160	13290	1860	11
2017	3040	3040	0	0	1290	1290	0	0	120	110	6	8	34	32	1	0	40	0	0	40	100	0	0	100	4330	2810	1200	330	5000	3950	1050	4	13920	11250	2540	130	15940	14000	1930	12
2018	3130	3130	0	0	1350	1350	0	0	130	110	7	8	35	33	1	0	40	0	0	40	100	0	0	100	4500	2910	1250	340	5260	4150	1100	5	14630	11850	2650	140	16760	14740	2000	12
2019	3220	3220	0	0	1420	1420	0	0	130	120	7	8	36	34	2	0	40	0	0	40	100	0	0	100	4680	3030	1300	350	5530	4360	1160	5	15380	12470	2770	140	17620	15520	2080	13
2020	3310	3310	0	0	1480	1480	0	0	140	120	7	8	38	36	2	0	40	0	0	40	100	0	0	100	4860	3140	1350	370	5810	4590	1220	5	16170	13130	2890	150	18520	16350	2160	14
2021	3410	3410	0	0	1550	1550	0	0	140	130	7	9	39	37	2	0	40	0	0	40	100	0	0	100	5040	3260	1400	380	6110	4820	1280	5	17000	13820	3020	160	19470	17210	2250	15
2022	3510	3510	0	0	1620	1620	0	0	150	130	8	9	40	38	2	0	40	0	0	40	100	0	0	100	5240	3390	1450	390	6420	5070	1350	6	17870	14550	3160	170	20470	18120	2330	15
2023	3610	3610	0	0	1700	1700	0	0	160	140	8	9	42	39	2	0	40	0	0	40	100	0	0	100	5440	3520	1510	410	6750	5330	1420	6	18790	15320	3300	180	21520	19080	2420	16
2024	3720	3720	0	0	1780	1780	0	0	160	140	8	10	43	41	2	0	40	0	0	40	100	0	0	100	5650	3660	1570	430	7100	5600	1490	6	19760	16130	3440	190	22620	20090	2520	17
2025	3830	3830	0	0	1860	1860	0	0	170	150	9	10	45	42	2	0	40	0	0	40	100	0	0	100	5860	3800	1630	440	7460	5890	1570	6	20770	16980	3600	200	23790	21150	2620	18
2026	3940	3940	0	0	1950	1950	0	0	180	160	9	10	46	44	2	0	40	0	0	40	100	0	0	100	6090	3940	1690	460	7850	6190	1650	7	21830	17870	3760	210	25010	22270	2720	19
2027	4050	4050	0	0	2040	2040	0	0	180	160	9	10	48	45	2	0	40	0	0	40	100	0	0	100	6330	4090	1750	480	8250	6510	1730	7	22950	18810	3920	220	26290	23450	2820	20
2028	4170	4170	0	0	2130	2130	0	0	190	170	10	11	49	47	2	0	40	0	0	40	100	0	0	100	6570	4250	1820	500	8670	6840	1820	8	24130	19800	4100	230	27640	24690	2930	21
2029	4290	4290	0	0	2230	2230	0	0	200	180	10	11	51	49	2	0	40	0	0	40	100	0	0	100	6820	4420	1890	510	9120	7190	1920	8	25370	20850	4280	240	29060	25990	3040	22
2030	4420	4420	0	0	2330	2330	0	0	200	180	10	11	53	50	2	0	40	0	0	40	100	0	0	100	7080	4590	1960	530	9580	7560	2010	8	26670	21950	4470	250	30550	27360	3160	23
2031	4550	4550	0	0	2440	2440	0	0	210	190	11	12	55	52	2	0	40	0	0	40	100	0	0	100	7360	4760	2040	550	10080	7950	2120	9	28040	23100	4670	270	32110	28800	3280	24
Distance (km)		259	305			226	547			3901	3622	4498		4505	3791	4099			1087				1052			1755	1916	2426			1807	1916	2489			559	800	1646			462	639	1305

Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only.
Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.

(continued)

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031 (continued)

Year	VIC-WA				WA-VIC				VIC-ACT				ACT-VIC				VIC-NT				NT-VIC				VIC-TAS				TAS-VIC				QLD-SA				SA-QLD			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	390	32	150	210	190	11	9	170	130	130	7	0	8	8	0	0	16	0	4	12	14	6	0	8	1070	0	0	1070	1180	0	0	1180	55	36	16	4	150	84	61	0
1973	440	49	180	210	200	16	23	160	130	120	8	0	13	13	0	0	16	0	4	11	15	8	0	8	910	0	0	910	780	0	0	780	64	45	16	4	150	100	54	0
1974	490	67	220	200	220	22	36	160	130	120	9	0	18	18	0	0	15	0	5	10	16	9	0	7	760	0	0	760	380	0	0	380	71	53	15	4	160	110	48	1
1975	470	76	260	140	180	25	50	110	130	120	9	0	19	19	0	0	16	0	5	11	16	9	0	7	820	0	0	820	320	0	0	320	73	56	15	2	160	120	41	1
1976	430	60	290	82	140	20	63	59	130	120	10	0	23	23	0	0	17	0	6	11	16	10	0	6	890	0	0	890	270	0	0	270	78	64	14	0	170	130	34	1
1977	420	67	280	75	92	22	67	3	130	120	11	0	23	23	0	0	18	0	6	12	16	11	0	5	820	0	0	820	320	0	0	320	81	68	13	0	190	140	53	0
1978	410	69	270	67	100	22	71	3	130	120	12	0	21	21	0	0	19	0	6	13	16	11	0	5	750	0	0	750	370	0	0	370	81	69	12	0	210	140	71	0
1979	400	83	260	60	100	27	74	3	130	110	12	0	23	23	0	0	20	0	7	13	16	12	0	4	680	0	0	680	420	0	0	420	87	76	11	0	230	150	90	0
1980	410	100	250	53	120	34	78	3	120	110	13	0	29	29	0	0	21	0	7	14	17	13	0	4	610	0	0	610	460	0	0	460	96	86	10	0	270	160	108	0
1981	450	120	290	46	150	39	110	3	120	110	14	0	31	31	0	0	22	0	7	15	17	14	0	3	540	0	0	540	510	0	0	510	100	93	10	0	250	170	85	0
1982	460	140	290	38	180	45	130	3	120	110	15	0	31	31	0	0	23	0	8	15	17	15	0	3	480	0	0	480	560	0	0	560	110	100	6	0	250	180	78	0
1983	430	110	290	31	190	37	150	3	120	110	15	0	19	19	0	0	24	0	8	16	15	13	0	2	410	0	0	410	610	0	0	610	90	90	2	1	230	160	70	0
1984	490	150	310	25	200	55	130	14	120	100	18	0	31	31	0	0	11	0	9	2	17	16	0	1	490	0	0	490	710	0	0	710	120	110	9	0	270	190	84	0
1985	560	150	320	84	190	59	110	18	120	100	19	0	29	29	0	0	10	0	10	0	16	16	0	0	510	0	0	510	700	0	0	700	140	120	11	9	270	190	83	1
1986	560	180	310	71	190	69	110	6	120	100	17	0	34	34	0	0	8	0	8	0	18	18	0	0	560	0	0	560	700	0	0	700	140	130	12	0	280	210	73	0
1987	580	170	360	52	210	67	140	6	110	100	14	0	31	31	0	0	10	0	10	0	19	18	1	0	660	0	0	660	920	0	0	920	150	130	18	0	280	210	75	0
1988	670	200	400	69	220	80	140	2	110	100	12	0	37	37	0	0	11	0	11	0	22	20	2	0	680	0	0	680	900	0	0	900	180	150	27	2	320	220	98	0
1989	760	230	490	46	250	90	150	4	100	94	11	0	41	41	0	0	12	0	12	0	24	22	2	0	830	0	0	830	1040	0	0	1040	210	160	49	0	370	240	130	0
1990	710	240	460	22	240	93	150	1	100	92	10	0	41	41	0	0	12	0	12	0	24	22	2	0	860	0	0	860	1130	0	0	1130	250	170	72	11	410	250	160	0
1991	650	210	430	10	250	83	160	2	100	91	9	0	36	36	0	0	13	0	13	0	25	23	2	0	760	0	0	760	1250	0	0	1250	250	170	78	0	380	250	140	0
1992	630	200	410	19	280	81	200	0	100	89	8	0	32	32	0	0	13	0	13	0	25	23	2	0	810	0	0	810	1090	0	0	1090	240	180	63	0	390	250	140	0
1993	660	240	380	44	310	96	210	4	87	87	0	0	34	34	0	0	14	0	14	0	27	24	3	0	850	0	0	850	1080	0	0	1080	270	190	60	14	420	260	160	0
1994	720	230	440	56	320	92	230	1	86	86	0	0	36	36	0	0	16	0	16	0	29	26	3	0	880	0	0	880	1290	0	0	1290	270	200	58	3	450	270	180	0
1995	820	230	500	86	350	96	250	4	84	84	0	0	36	36	0	0	17	0	17	0	31	27	4	0	970	0	0	970	1240	0	0	1240	270	220	55	0	490	280	200	0
1996	820	210	530	80	300	90	210	1	81	81	0	0	41	41	0	0	22	0	18	4	34	30	4	1	1060	0	0	1060	1310	0	0	1310	290	240	47	0	480	300	180	1
1997	850	190	570	95	290	79	210	0	79	79	0	0	44	44	0	0	17	0	17	0	35	32	3	0	1110	0	0	1110	1440	0	0	1440	320	260	56	0	500	320	180	0
1998	870	160	610	100	330	70	260	7	78	78	0	0	47	47	0	0	16	0	16	0	33	33	0	0	1080	0	0	1080	1420	0	0	1420	340	280	58	0	520	340	180	1
1999	940	150	650	130	350	65	280	4	76	76	0	0	50	50	0	0	20	0	20	0	38	36	2	0	1090	0	0	1090	1440	0	0	1440	340	310	37	0	560	360	200	0
2000	1050	140	700	210	400	60	340	6	75	75	0	0	53	53	0	0	17	0	17	0	41	38	3	0	1260	0	0	1260	1490	0	0	1490	380	330	50	2	570	370	200	0
2001	1080	130	740	210	460	55	390	20	73	73	0	0	50	50	0	0	14	0	14	0	42	39	3	0	1080	0	0	1080	1520	0	0	1520	410	340	62	1	570	380	190	2
2002	1160	120	780	250	540	53	440	49	71	71	0	0	52	52	0	0	14	0	14	0	44	41	3	0	1290	0	0	1290	1860	0	0	1860	430	360	64	0	580	400	180	4
2003	1280	120	830	330	640	53	490	94	70	70	0	0	52	52	0	0	14	0	14	0	46	43	3	0	1460	0	0	1460	2220	0	0	2220	450	390	66	0	590	410	170	3
2004	1320	130	870	320	620	56	550	16	66	66	0	0	62	62	0	0	14	0	14	0	48	45	3	0	1680	0	0	1680	2560	0	0	2560	480	410	68	0	590	430	170	2
2005	1360	140	910	310	690	62	600	31	65	65	0	0	71	71	0	0	14	0	14	0	50	47	3	0	1820	0	0	1820	2630	0	0	2630	500	430	70	1	600	440	160	0
2006	1410	150	940	320	680	62	590	31	66	66	0	0	68	68	0	0	14	0	14	0	51	48	3	0	1830	0	0	1830	2740	0	0	2740	520	440	71	1	600	440	160	0
2007	1470	150	980	330	710	64	610	32	65	65	0	0	71	71	0	0	14	0	14	0	52	49	3	0	1840	0	0	1840	2850	0	0	2850	540	460	74	1	610	450	160	0
2008	1530	160	1020	340	730	66	630	33	63	63	0	0	74	74	0	0	14	0	14	0	54	51	3	0	1850	0	0	1850	2970	0	0	2970	560	480	77	1	610	450	160	0
2009	1590	170	1070	360	750	68	650	34	62	62	0	0	76	76	0	0	14	0	14	0	55	52	3	0	1860	0	0	1860	3100	0	0	3100	580	500	80	1	610	460	160	0
2010	1660	170	1110	370	780	70	670	35	61	61	0	0	79	79	0	0	14	0	14	0	57	54	3	0	1860	0	0	1860	3230	0	0	3230	600	520	83	1	620	460	150	0
2011	1730	180	1160	390	800	72	690	36	60	60	0	0	82	82	0	0	14	0	14	0	59	55	4	0	1870	0	0	1870	3360	0	0	3360	630	540	86	1	620	470	150	0
2012	1800	190	1210	410	830	74	720	37	59	59	0	0	85	85	0	0	14	0	14	0	61	57	4	0	1880	0	0	1880	3500	0	0	3500	650	560	89	1	630	470	150	0
2013	1880	200	1260	420	850	77	740	39	58	58	0	0	88	88	0	0	14	0	14	0	62	59	4	0	1890	0	0	1890	3650	0	0	3650	680	590	92	1	630	480	150	0
2014	1960	210	1310	440	880	79	760	40	57	57	0	0	92	92	0	0	14	0	14	0	64	60	4	0	1900	0	0	1900	3800	0	0	3800	710	610	96	1	640	490	150	0
2015	2040	210	1370	460	910	82	790	41	56	56	0	0	95	95	0	0	14	0	14	0	66	62	4	0	1910	0	0	1910	3960	0	0	3960	730	630	99	1	640	490	150	0
2016	2130	220	1430	480	940	84	810	42	55	55	0	0	99	99	0	0	14	0	14	0	68	64	4	0	1920	0	0	1920	4130	0	0	4130	760	660	100	1	650	500	150	0
2017	2220	230	1490	500	970	87	840	44	54	54	0	0	100	100	0	0	14	0	14	0	70	66	4	0	1920	0	0	1920	4300	0	0	4300	790	690	110	1	650	500	150	0
2018	2310	240	1550	520	1000	90	860	45	53	53	0	0	110	110	0	0	14	0	14	0	72	68	4	0	1930	0	0	1930	4480	0	0	4480	830	710	110	1	660	510	150	0
2019	2410	250	1610	540	1030	93	890	47	52	52	0	0	110	110	0	0	14	0	14	0	74	70	4	0	1940	0	0	1940	4670	0	0	4670	860	740	110	1	660	510	150	0
2020	2510	260	1680	570	1060	96	920	48	51	51	0	0	110	110	0	0	14	0	14	0	77	72	5	0	1950	0	0	1950	4860	0	0	4860	890	770	120	2	670	520	150	0
2021	2620	270	1750	590	1100	99	950	50	50	50	0	0	120	120	0	0	14	0	14	0	79	74	5	0	1960	0	0	1960	5070	0	0	5070	930	800	120	2	670	520	150	0
2022	2730	290	1830	610	1130	100	980	51	49	49	0	0	120	120	0	0	14	0	14	0	81	76	5	0	1970	0	0	1970	5280	0	0	5280	970	840	130	2	680	530	150	0
2023	2840	300	1910	640	1170	110	1010	53	48	48	0	0	130	130	0	0	14	0	14	0	84	79	5	0	1980	0	0	1980	5500	0	0	5500	1000	870	130	2	680	540	150	0
2024	2970	310	1990	670	1210	110	1040	55	47	47	0	0	130	130	0	0	14	0	14	0	86	81	5	0	1990	0	0	1990	5730	0	0	5730	1050	910	140	2	690	540	150	0
2025	3090	320	2070	700	1250	110	1080	56	46	46	0	0	140	140	0	0	14	0	14	0	89	84	5	0	1990	0	0	1990	5970	0	0	5970	1090	940	140	2	690	550	140	0
2026	3220	340	2160	730	1290	120	1110	58	46	46	0	0	140	140	0	0	14	0	14	0	91	86	5	0	2000	0	0	2000	6220	0	0	6220	1130	980	150	2	700	550	140	0
2027	3360	350	2250	760	1330	120	1150	60	45	45	0	0	150	150	0	0	14	0	14	0	94	89	6	0	2010	0	0	2010	6480	0	0	6480	1180	1020	150	2	700	560	140	0
2028	3500	370	2340	790	1370	120	1190	62	44	44	0	0	150	150	0	0	14	0	14	0	97	91	6	0	2020	0	0	2020	6750	0	0	6750	1220	1060	160	2	710	570	140	0
2029	3650	380	2440	820	1410	130	1220	64	43	43	0	0	160	160	0	0	14	0	14	0	100	94	6	0	2030	0	0	2030	7040	0	0	7040	1270	1110	160	2	710	570	140	0
2030	3800	400	2550	860	1460	130	1260	66	42	42	0	0	170	170	0	0	14	0	14	0	100	97	6	0	2040	0	0	2040	7330	0	0	7330	1320	1150	170	2	720	580	140	0
2031	3960	420	2650	890	1510	140	1300	68	42	42	0	0	170	170	0	0	14	0	14	0	110	100	6	0	2050	0	0	2050	7640	0	0	7640	1380	1200	180	2	720	580	140	0
Distance (km)	3564	2882	2855		3538	3479	4794		617	838			617	838			2092	2449	5000		2092	2660	5000		632				475				1990	2185	3799		1922	2796	2993	

Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only.

Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.

(continued)

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031 (continued)

Year	QLD-WA				WA-QLD				QLD-ACT				ACT-QLD				QLD-NT				NT-QLD				QLD-TAS				TAS-QLD				SA-WA				WA-SA			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	54	4	6	44	15	3	1	12	0	0	0	0	0	0	0	0	36	23	0	12	34	34	0	0	15	0	0	15	4	0	0	4	190	9	170	7	120	12	88	18
1973	52	6	6	41	23	4	9	10	0	0	0	0	0	0	0	0	47	28	0	19	41	41	0	0	8	0	0	8	5	0	0	5	240	14	220	5	120	17	89	10
1974	51	8	6	37	30	6	17	7	0	0	0	0	0	0	0	0	57	31	0	26	47	47	0	0	1	0	0	1	7	0	0	7	280	19	260	4	110	24	90	1
1975	41	10	5	26	36	7	25	5	0	0	0	0	0	0	0	0	55	33	0	22	50	50	0	0	2	0	0	2	7	0	0	7	330	22	310	4	120	27	91	1
1976	28	8	5	16	40	5	33	2	0	0	0	0	0	0	0	0	56	37	0	19	55	55	0	0	3	0	0	3	7	0	0	7	370	17	350	4	110	21	92	0
1977	16	9	6	2	33	6	26	2	0	0	0	0	0	0	0	0	57	39	0	19	58	58	0	0	3	0	0	3	14	0	0	14	370	19	350	0	120	24	92	0
1978	18	9	7	2	26	6	18	2	0	0	0	0	0	0	0	0	58	39	0	19	59	59	0	0	4	0	0	4	21	0	0	21	380	20	360	0	120	25	93	0
1979	20	11	8	2	20	8	11	2	0	0	0	0	0	0	0	0	61	42	0	19	63	63	0	0	5	0	0	5	28	0	0	28	390	24	370	0	120	30	94	0
1980	24	13	9	2	14	10	3	1	0	0	0	0	0	0	0	0	65	47	0	19	70	70	0	0	6	0	0	6	36	0	0	36	400	30	370	0	130	37	95	0
1981	23	15	6	2	16	11	4	1	0	0	0	0	0	0	0	0	68	49	0	19	74	74	0	0	7	0	0	7	43	0	0	43	380	35	350	0	170	43	120	0
1982	25	18	5	2	20	13	7	1	0	0	0	0	0	0	0	0	71	52	0	19	79	79	0	0	8	0	0	8	50	0	0	50	360	41	320	0	170	49	120	0
1983	21	15	4	2	20	10	9	1	0	0	0	0	0	0	0	0	67	48	0	19	85	73	0	12	9	0	0	9	57	0	0	57	330	42	290	0	160	40	120	0
1984	27	22	4	1	29	15	14	0	0	0	0	0	0	0	0	0	87	57	0	30	110	86	0	26	11	0	0	11	56	0	0	56	420	75	340	0	200	60	140	1
1985	27	24	3	0	30	16	14	0	0	0	0	0	0	0	0	0	65	58	0	7	88	88	0	0	1	0	0	1	50	0	0	50	420	93	330	0	220	64	160	0
1986	31	29	2	0	41	20	21	0	0	0	0	0	0	0	0	0	71	64	0	7	100	97	0	3	7	0	0	7	48	0	0	48	430	130	300	0	280	89	190	0
1987	32	30	2	0	47	21	26	0	0	0	0	0	0	0	0	0	71	65	0	6	98	98	0	0	12	0	0	12	62	0	0	62	600	150	450	0	280	100	180	0
1988	48	38	10	0	59	26	33	0	0	0	0	0	0	0	0	0	74	71	0	3	110	110	0	0	1	0	0	1	27	0	0	27	690	210	470	2	310	140	170	1
1989	55	45	8	2	77	32	42	3	0	0	0	0	0	0	0	0	77	77	0	0	120	120	0	0	4	0	0	4	4	0	0	4	800	280	520	1	380	180	200	3
1990	55	50	5	0	57	35	22	0	0	0	0	0	0	0	0	0	81	80	0	1	120	120	0	0	1	0	0	1	11	0	0	11	940	340	610	0	410	220	190	0
1991	62	48	14	0	78	33	44	1	0	0	0	0	0	0	0	0	80	80	0	0	120	120	0	0	1	0	0	1	1	0	0	1	890	350	540	2	400	220	170	0
1992	76	50	25	1	130	35	53	39	0	0	0	0	0	0	0	0	81	81	0	0	120	120	0	0	1	0	0	1	1	0	0	1	930	400	520	7	430	250	160	16
1993	100	64	37	1	110	45	61	0	0	0	0	0	0	0	0	0	88	87	0	1	130	130	0	0	3	0	0	3	2	0	0	2	1110	540	560	7	520	340	180	3
1994	130	68	48	11	120	48	68	0	0	0	0	0	0	0	0	0	92	92	0	0	140	140	0	1	2	0	0	2	1	0	0	1	1160	610	550	0	570	380	190	0
1995	150	78	60	9	130	55	76	1	0	0	0	0	0	0	0	0	98	96	0	2	150	150	0	0	5	0	0	5	1	0	0	1	1290	740	540	5	680	460	200	16
1996	170	81	89	2	150	57	95	1	0	0	0	0	0	0	0	0	120	100	0	12	160	160	0	0	1	0	0	1	0	0	0	0	1420	820	600	4	720	510	200	5
1997	180	81	93	4	160	58	110	0	0	0	0	0	0	0	0	0	140	110	0	26	170	170	0	0	1	0	0	1	1	0	0	1	1480	870	600	8	700	540	170	0
1998	190	82	88	22	180	58	94	30	0	0	0	0	0	0	0	0	150	120	0	32	180	180	0	0	0	0	0	0	0	0	0	0	1530	920	600	11	740	570	160	4
1999	200	76	90	30	180	54	100	28	0	0	0	0	0	0	0	0	140	130	0	12	190	190	0	0	1	0	0	1	4	0	0	4	1460	860	600	5	760	530	230	3
2000	200	70	91	41	170	50	110	10	0	0	0	0	0	0	0	0	160	130	0	30	210	210	0	1	1	0	0	1	0	0	0	0	1430	790	630	7	800	490	290	27
2001	220	64	93	66	160	46	110	1	0	0	0	0	0	0	0	0	170	140	0	29	210	210	0	3	6	0	0	6	1	0	0	1	1410	730	660	29	800	450	350	6
2002	190	63	94	36	180	45	130	4	0	0	0	0	0	0	0	0	180	140	0	31	230	220	0	3	5	0	0	5	17	0	0	17	1400	710	690	11	870	440	410	22
2003	230	62	96	71	210	44	150	21	0	0	0	0	0	0	0	0	180	150	0	32	240	230	0	3	6	0	0	6	3	0	0	3	1440	700	710	23	910	430	470	12
2004	280	66	97	110	230	47	160	15	0	0	0	0	0	0	0	0	190	160	0	31	260	250	0	12	1	0	0	1	26	0	0	26	1510	750	740	15	1010	460	530	19
2005	220	73	99	52	240	52	180	2	0	0	0	0	0	0	0	0	190	160	0	29	260	260	0	0	6	0	0	6	14	0	0	14	1610	820	770	20	1110	510	590	11
2006	250	81	110	58	260	56	200	3	0	0	0	0	0	0	0	0	210	180	0	30	270	270	0	0	6	0	0	6	10	0	0	10	1720	880	820	21	1200	550	640	12
2007	260	84	110	60	270	60	210	3	0	0	0	0	0	0	0	0	210	180	0	32	280	280	0	0	6	0	0	6	10	0	0	10	1830	930	870	23	1290	590	690	13
2008	270	87	120	62	290	64	230	3	0	0	0	0	0	0	0	0	220	190	0	33	300	300	0	0	6	0	0	6	10	0	0	10	1950	990	930	24	1390	640	740	14
2009	280	90	120	64	310	69	240	3	0	0	0	0	0	0	0	0	230	200	0	34	310	310	0	0	6	0	0	6	10	0	0	10	2070	1060	990	26	1500	690	790	15
2010	290	94	130	67	330	73	250	3	0	0	0	0	0	0	0	0	240	200	0	35	330	330	0	0	6	0	0	6	10	0	0	10	2180	1110	1040	27	1570	720	830	16
2011	300	97	130	69	350	76	270	3	0	0	0	0	0	0	0	0	250	210	0	37	340	340	0	0	6	0	0	6	10	0	0	10	2290	1170	1090	28	1650	760	880	17
2012	310	100	140	71	370	80	280	4	0	0	0	0	0	0	0	0	260	220	0	38	360	360	0	0	6	0	0	6	10	0	0	10	2410	1230	1150	30	1740	800	920	18
2013	320	100	140	74	380	84	300	4	0	0	0	0	0	0	0	0	270	230	0	40	380	380	0	0	6	0	0	6	10	0	0	10	2530	1290	1210	31	1830	840	970	19
2014	330	110	150	77	400	89	310	4	0	0	0	0	0	0	0	0	280	240	0	41	400	400	0	0	6	0	0	6	10	0	0	10	2660	1360	1270	33	1920	880	1020	20
2015	340	110	150	79	420	93	330	4	0	0	0	0	0	0	0	0	290	250	0	43	420	420	0	0	6	0	0	6	10	0	0	10	2800	1420	1340	34	2020	930	1070	21
2016	350	120	160	82	450	98	340	4	0	0	0	0	0	0	0	0	300	250	0	44	440	440	0	0	6	0	0	6	10	0	0	10	2940	1500	1410	36	2120	980	1130	22
2017	370	120	160	85	470	100	360	5	0	0	0	0	0	0	0	0	310	260	0	46	460	460	0	0	6	0	0	6	10	0	0	10	3090	1570	1480	38	2230	1030	1180	23
2018	380	120	170	88	490	110	380	5	0	0	0	0	0	0	0	0	320	270	0	48	490	490	0	0	6	0	0	6	10	0	0	10	3250	1660	1550	40	2350	1080	1240	24
2019	390	130	170	91	520	110	400	5	0	0	0	0	0	0	0	0	330	280	0	49	510	510	0	0	6	0	0	6	10	0	0	10	3420	1740	1630	42	2470	1130	1310	25
2020	410	130	180	95	550	120	420	5	0	0	0	0	0	0	0	0	350	300	0	51	540	540	0	0	6	0	0	6	10	0	0	10	3590	1830	1720	44	2590	1190	1380	26
2021	420	140	190	98	570	130	440	6	0	0	0	0	0	0	0	0	360	310	0	53	560	560	0	0	6	0	0	6	10	0	0	10	3770	1920	1800	47	2730	1250	1450	28
2022	440	140	190	100	600	130	460	6	0	0	0	0	0	0	0	0	370	320	0	55	590	590	0	0	6	0	0	6	10	0	0	10	3970	2020	1900	49	2870	1320	1520	29
2023	450	150	200	110	630	140	490	6	0	0	0	0	0	0	0	0	390	330	0	57	620	620	0	0	6	0	0	6	10	0	0	10	4170	2130	1990	51	3010	1380	1600	31
2024	470	150	210	110	670	150	510	7	0	0	0	0	0	0	0	0	400	340	0	59	650	650	0	0	6	0	0	6	10	0	0	10	4390	2230	2100	54	3170	1460	1680	32
2025	490	160	220	110	700	150	540	7	0	0	0	0	0	0	0	0	420	360	0	62	690	690	0	0	6	0	0	6	10	0	0	10	4610	2350	2200	57	3330	1530	1770	34
2026	500	160	220	120	740	160	570	7	0	0	0	0	0	0	0	0	430	370	0	64	720	720	0	0	6	0	0	6	10	0	0	10	4850	2470	2320	60	3500	1610	1860	36
2027	520	170	230	120	770	170	600	8	0	0	0	0	0	0	0	0	450	380	0	66	760	760	0	0	6	0	0	6	10	0	0	10	5100	2600	2440	63	3680	1690	1950	38
2028	540	180	240	130	810	180	630	8	0	0	0	0	0	0	0	0	470	400	0	69	800	800	0	0	6	0	0	6	10	0	0	10	5360	2730	2560	66	3870	1780	2050	39
2029	560	180	250	130	860	190	660	9	0	0	0	0	0	0	0	0	480	410	0	72	840	840	0	0	6	0	0	6	10	0	0	10	5630	2870	2690	69	4070	1870	2160	42
2030	580	190	260	130	900	200	690	9	0	0	0	0	0	0	0	0	500	430	0	74	880	880	0	0	6	0	0	6	10	0	0	10	5920	3020	2830	73	4280	1960	2270	44
2031	600	200	270	140	950	210	730	9	0	0	0	0	0	0	0	0	520	440	0	77	930	930	0	0	6	0	0	6	10	0	0	10	6230	3170	2980	77	4500	2070	2390	46
Distance (km)	4668	5295	5086		4228	5377	5203		1196				1223				2349	2469	3390		2322	2469	2693		2368				2505				2068	2589	2552		2155	2311	3228	

Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only.

Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.

(continued)

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031 (continued)

Year	SA-ACT				ACT-SA				SA-NT				NT-SA				SA-TAS				TAS-SA				WA-ACT				ACT-WA				WA-NT				NT-WA			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	1	0	1	0	0	0	0	0	170	34	140	4	130	49	81	0	57	0	0	57	38	0	0	38	1	0	1	0	0	0	0	0	31	11	0	20	27	5	0	22
1973	1	0	1	0	0	0	0	0	160	41	120	2	130	59	74	0	48	0	0	48	24	0	0	24	2	0	2	0	0	0	0	0	34	15	0	20	29	7	2	20
1974	2	0	2	0	0	0	0	0	150	47	110	0	130	67	66	0	39	0	0	39	11	0	0	11	2	0	2	0	0	0	0	0	37	18	0	19	30	8	3	19
1975	2	0	2	0	0	0	0	0	140	49	90	0	130	71	59	0	52	0	0	52	14	0	0	14	3	0	3	0	0	0	0	0	39	19	0	19	35	9	5	21
1976	2	0	2	0	0	0	0	0	130	55	70	0	130	79	51	0	65	0	0	65	18	0	0	18	3	0	3	0	0	0	0	0	42	23	0	19	41	11	6	24
1977	2	0	2	0	0	0	0	0	150	57	90	0	140	82	59	0	58	0	0	58	23	0	0	23	3	0	3	0	0	0	0	0	43	25	0	19	40	12	6	22
1978	2	0	2	0	0	0	0	0	160	58	100	0	150	83	67	0	52	0	0	52	29	0	0	29	3	0	3	0	0	0	0	0	43	25	0	18	38	12	6	21
1979	2	0	2	0	0	0	0	0	180	62	120	0	160	90	74	0	46	0	0	46	35	0	0	35	2	0	2	0	0	0	0	0	46	28	0	18	38	13	5	19
1980	2	0	2	0	0	0	0	0	200	69	130	0	180	100	82	0	40	0	0	40	40	0	0	40	2	0	2	0	0	0	0	0	51	33	0	18	39	16	5	18
1981	2	0	2	0	0	0	0	0	200	73	130	0	190	110	82	0	34	0	0	34	46	0	0	46	2	0	2	0	0	0	0	0	54	36	0	18	38	17	5	17
1982	2	0	2	0	0	0	0	0	200	77	120	0	190	110	75	0	28	0	0	28	52	0	0	52	2	0	2	0	0	0	0	0	57	40	0	17	39	19	4	15
1983	2	0	2	0	0	0	0	0	190	71	110	0	170	100	68	0	22	0	0	22	58	0	0	58	2	0	2	0	0	0	0	0	52	35	0	17	34	17	4	14
1984	2	0	2	0	0	0	0	0	210	84	130	0	200	120	81	0	66	0	0	66	54	0	0	54	2	0	2	0	0	0	0	0	65	46	0	19	28	21	5	2
1985	2	0	2	0	0	0	0	0	210	86	120	0	200	130	77	0	55	0	0	55	23	0	0	23	2	0	2	0	0	0	0	0	65	48	0	17	29	22	4	2
1986	2	0	2	0	0	0	0	0	210	94	110	1	210	140	70	0	42	0	0	42	1	0	0	1	3	0	3	0	0	0	0	0	77	55	0	22	33	26	4	3
1987	1	0	1	0	0	0	0	0	230	96	140	0	220	140	84	0	36	0	0	36	23	0	0	23	2	0	2	0	0	0	0	0	78	56	0	22	32	27	4	2
1988	1	0	1	0	0	0	0	0	260	100	160	0	250	150	97	0	36	0	0	36	27	0	0	27	1	0	1	0	0	0	0	0	82	65	0	17	37	31	4	2
1989	1	0	1	0	0	0	0	0	280	110	170	0	270	170	100	0	1	0	0	1	16	0	0	16	1	0	1	0	0	0	0	0	92	73	0	19	41	34	4	3
1990	1	0	1	0	0	0	0	0	300	120	180	0	280	170	110	0	1	0	0	1	1	0	0	1	1	0	1	0	0	0	0	0	110	78	0	28	42	37	3	2
1991	1	0	1	0	0	0	0	0	310	120	190	0	290	180	120	0	1	0	0	1	4	0	0	4	1	0	1	0	0	0	0	0	88	79	0	9	43	37	3	3
1992	1	0	1	0	0	0	0	0	320	120	200	0	300	180	120	0	1	0	0	1	16	0	0	16	1	0	1	0	0	0	0	0	91	81	0	10	47	38	3	6
1993	0	0	0	0	0	0	0	0	360	130	230	0	320	190	130	0	1	0	0	1	12	0	0	12	0	0	0	0	0	0	0	0	100	90	0	11	49	42	3	4
1994	0	0	0	0	0	0	0	0	390	140	260	0	340	200	140	0	1	0	0	1	2	0	0	2	0	0	0	0	0	0	0	0	120	97	0	21	53	45	3	5
1995	0	0	0	0	0	0	0	0	430	140	290	0	360	210	150	0	1	0	0	1	17	0	0	17	0	0	0	0	0	0	0	0	120	100	0	18	55	49	3	3
1996	0	0	0	0	0	0	0	0	450	150	290	0	390	230	160	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	140	120	0	17	61	55	3	2
1997	0	0	0	0	0	0	0	0	470	160	290	14	380	240	140	0	11	0	0	11	1	0	0	1	0	0	0	0	0	0	0	0	130	130	0	0	61	61	0	0
1998	0	0	0	0	0	0	0	0	450	170	270	0	450	260	190	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	160	150	0	16	110	67	0	45
1999	0	0	0	0	0	0	0	0	450	190	260	0	440	280	170	0	1	0	0	1	5	0	0	5	0	0	0	0	0	0	0	0	180	160	0	20	79	75	0	4
2000	0	0	0	0	0	0	0	0	480	200	280	0	480	290	190	0	1	0	0	1	2	0	0	2	0	0	0	0	0	0	0	0	190	180	0	11	85	82	0	3
2001	0	0	0	0	0	0	0	0	510	200	310	0	510	300	200	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	200	190	0	12	91	86	0	5
2002	0	0	0	0	0	0	0	0	550	210	330	3	540	320	220	0	2	0	0	2	16	0	0	16	0	0	0	0	0	0	0	0	210	200	0	11	97	93	0	5
2003	0	0	0	0	0	0	0	0	580	220	350	0	570	330	240	0	1	0	0	1	39	0	0	39	0	0	0	0	0	0	0	0	230	220	0	14	110	99	0	6
2004	0	0	0	0	0	0	0	0	610	230	380	0	610	350	260	0	1	0	0	1	6	0	0	6	0	0	0	0	0	0	0	0	250	230	0	17	200	110	0	89
2005	0	0	0	0	0	0	0	0	640	240	400	0	630	360	260	0	1	0	0	1	9	0	0	9	0	0	0	0	0	0	0	0	260	250	0	9	120	110	0	3
2006	0	0	0	0	0	0	0	0	660	250	410	0	650	370	280	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	270	260	0	10	120	110	0	3
2007	0	0	0	0	0	0	0	0	680	260	430	0	680	390	290	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	280	270	0	10	120	120	0	3
2008	0	0	0	0	0	0	0	0	710	270	440	0	700	400	300	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	300	290	0	10	130	130	0	3
2009	0	0	0	0	0	0	0	0	740	270	460	0	730	420	310	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	310	300	0	11	140	130	0	3
2010	0	0	0	0	0	0	0	0	770	280	480	0	770	440	330	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	330	320	0	11	140	140	0	3
2011	0	0	0	0	0	0	0	0	800	290	500	0	800	460	340	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	350	330	0	11	150	150	0	3
2012	0	0	0	0	0	0	0	0	830	300	520	0	830	480	360	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	360	350	0	12	160	160	0	4
2013	0	0	0	0	0	0	0	0	860	320	540	0	870	500	370	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	380	370	0	12	170	160	0	4
2014	0	0	0	0	0	0	0	0	890	330	570	0	900	520	390	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	400	390	0	13	180	170	0	4
2015	0	0	0	0	0	0	0	0	930	340	590	0	940	540	400	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	420	410	0	13	180	180	0	4
2016	0	0	0	0	0	0	0	0	970	350	620	0	980	560	420	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	440	430	0	14	190	190	0	4
2017	0	0	0	0	0	0	0	0	1000	360	640	0	1020	590	440	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	470	450	0	14	200	200	0	5
2018	0	0	0	0	0	0	0	0	1040	370	670	0	1070	610	460	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	490	480	0	14	210	210	0	5
2019	0	0	0	0	0	0	0	0	1080	390	700	0	1110	640	480	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	520	500	0	15	230	220	0	5
2020	0	0	0	0	0	0	0	0	1130	400	730	0	1160	670	500	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	540	530	0	16	240	230	0	5
2021	0	0	0	0	0	0	0	0	1170	420	760	0	1210	690	520	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	570	550	0	16	250	240	0	6
2022	0	0	0	0	0	0	0	0	1220	430	790	0	1260	720	540	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	600	580	0	17	260	260	0	6
2023	0	0	0	0	0	0	0	0	1260	440	820	0	1320	750	560	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	630	610	0	17	280	270	0	6
2024	0	0	0	0	0	0	0	0	1310	460	850	0	1370	790	590	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	660	640	0	18	290	280	0	7
2025	0	0	0	0	0	0	0	0	1370	480	890	0	1430	820	610	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	700	680	0	18	300	300	0	7
2026	0	0	0	0	0	0	0	0	1420	490	930	0	1490	850	640	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	730	710	0	19	320	310	0	7
2027	0	0	0	0	0	0	0	0	1480	510	960	0	1550	890	660	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	770	750	0	20	340	330	0	8
2028	0	0	0	0	0	0	0	0	1530	530	1010	0	1620	930	690	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	810	790	0	20	350	350	0	8
2029	0	0	0	0	0	0	0	0	1590	550	1050	0	1690	970	720	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	850	830	0	21	370	360	0	9
2030	0	0	0	0	0	0	0	0	1660	570	1090	0	1760	1010	750	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	890	870	0	22	390	380	0	9
2031	0	0	0	0	0	0	0	0	1720	590	1140	0	1840	1050	780	0	1	0	0	1	10	0	0	10	0	0	0	0	0	0	0	0	940	920	0	23	410	400	0	9
Distance (km)	1189	1304			1110	1304			2118	1539	5821		2445	1553					1713				1746		4145	4196			4145	4196			2756	3795	3467		2148	5673	2931	

Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only.
Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.

(continued)

Table 2 Interstate freight movements (kilotonnes) between States and Territories, 1972-2031 (continued)

Year	WA-TAS				TAS-WA				ACT-NT				NT-ACT				ACT-TAS				TAS-ACT				NT-TAS				TAS-NT			
	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea	Total	Road	Rail	Sea
1972	1	0	0	1	7	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1973	1	0	0	1	7	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1974	1	0	0	1	7	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1975	1	0	0	1	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1976	1	0	0	1	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1977	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1978	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1979	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1980	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1981	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1982	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1983	9	0	0	9	51	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1984	18	0	0	18	53	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
1985	22	0	0	22	70	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1986	19	0	0	19	59	0	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1987	23	0	0	23	70	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1988	39	0	0	39	59	0	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1989	36	0	0	36	55	0	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1990	41	0	0	41	47	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1991	21	0	0	21	45	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1992	12	0	0	12	18	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1993	1	0	0	1	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1994	7	0	0	7	25	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1995	13	0	0	13	23	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1996	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1997	1	0	0	1	58	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
1998	34	0	0	34	81	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
1999	18	0	0	18	110	0	0	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	13	0	0	13	62	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
2001	7	0	0	7	37	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2002	320	0	0	320	210	0	0	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2003	9	0	0	9	280	0	0	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2004	5	0	0	5	400	0	0	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2005	8	0	0	8	12	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12
2006	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2007	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2008	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2009	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2010	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2011	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2012	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2013	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2014	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2015	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2016	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2017	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2018	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2019	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2020	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2021	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2022	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2023	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2024	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2025	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2026	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2027	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2028	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2029	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2030	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
2031	8	0	0	8	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Notes: From 1972 to 2005, actual estimates; from 2006 to 2031, forecasts: road and rail are total (bulk plus non-bulk), shipping is non-bulk only. Numbers from zero to 100 have not been rounded, while those above 100 are rounded to the nearest 10.																																
Distance (km)			3211				3468		4593	4641			4593	4641											5031						5793	

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