

TRAFFIC HIGHLIGHTS OF SITE 1075			
1.1	Site Identifier	1075	
1.2	Site Name	Port Edward	
1.3	Site Description	Between Port Edward and Munster	
1.4	Road Description	Route : N002 Road : N002 Section : 22 Distance : 4.7km	
1.5	GPS Position	30 12 59.3E -31 02 36.8S	
1.6	Number of Lanes	3	
1.7	Station Type	Permanent Piezo	
1.8	Requested Period	2023/01/01 - 2023/12/31	
1.9	Length of record requested (hours)	8760	
1.10	Actual First & Last Dates	2023/08/11 - 2023/12/22	
1.11	Actual available good data (hours)	3138	
1.12	Percentage good data available for requested period	35.8	
		To Port Shepstone	Total
2.1a	Total number of vehicles (counted)	540624	1096342
2.1b	Total number of vehicles (projected for period)	1508997	3042696
2.2	Average daily traffic (ADT)	4134	8336
2.3	Average daily truck traffic (ADTT)	266	549
2.4	Percentage of trucks	6.4	6.6
2.5	Truck split % (short:medium:long)	61 : 14 : 25	60 : 14 : 26
2.6	Percentage of night traffic (20:00 - 06:00)	9.1	8.8
3.1	Speed limit (km/hr)		100
3.2	Average speed (km/hr)	86.9	87.7
3.3	Average speed - light vehicles (km/hr)	87.6	88.4
3.4	Average speed - heavy vehicles (km/hr)	77.2	77.9
3.5	Average night speed (km/hr)	88.2	88.2
3.6	15th centile speed (km/hr)	72.9	73.9
3.7	85th centile speed (km/hr)	102.0	102.0
3.8	Percentage vehicles in excess of speed limit	17.2	17.8
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	45.6
4.2	Highest volume on the road (vehicles/hr)	2023/12/21 12:00:00	1131
4.3	Highest volume in the North (vehs/hr)	2023/08/11 15:00:00	825
4.4	Highest volume in the South-West (vehs/hr)	2023/12/21 12:00:00	607
4.5	Highest volume in a lane (vehicles/hr)	2023/08/11 15:00:00	825
4.6	15th highest volume on the road (vehicles/hr)	2023/12/18 16:00:00	1009
4.7	15th highest volume in the North direction (vehs/hr)	2023/12/21 11:00:00	494
4.8	15th highest volume in the South-West direction (vehs/hr)	2023/12/20 16:00:00	526
4.9	30th highest volume on the road (vehicles/hr)	2023/12/14 16:00:00	953
4.10	30th highest volume in the North direction (vehs/hr)	2023/12/18 13:00:00	456
4.11	30th highest volume in the South-West direction (vehs/hr)	2023/12/19 15:00:00	509
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	97265	200542
6.2	Estimated average number of axles per truck	3.7	3.7
6.3	Estimated truck mass (Ton/truck)	21.1	21.2
6.4	Estimated average E80/truck	1.2	1.3
6.5	Estimated daily E80 on the road		691
6.6	Estimated daily E80 in the North direction		332
6.7	Estimated daily E80 in the South-West direction		359
6.8	Estimated daily E80 in the worst North lane		332
6.9	Estimated daily E80 in the worst South-West lane		331
6.10	ASSUMPTION on Axles/Truck (Short:Medium:Long)		(2.0 : 5.0 : 7.0)
6.11	ASSUMPTION on Mass/Truck (Short:Medium:Long)		(10.9 : 31.5 : 39.8)
6.12	ASSUMPTION on E80s/Truck (Short:Medium:Long)		(0.6 : 2.5 : 2.1)

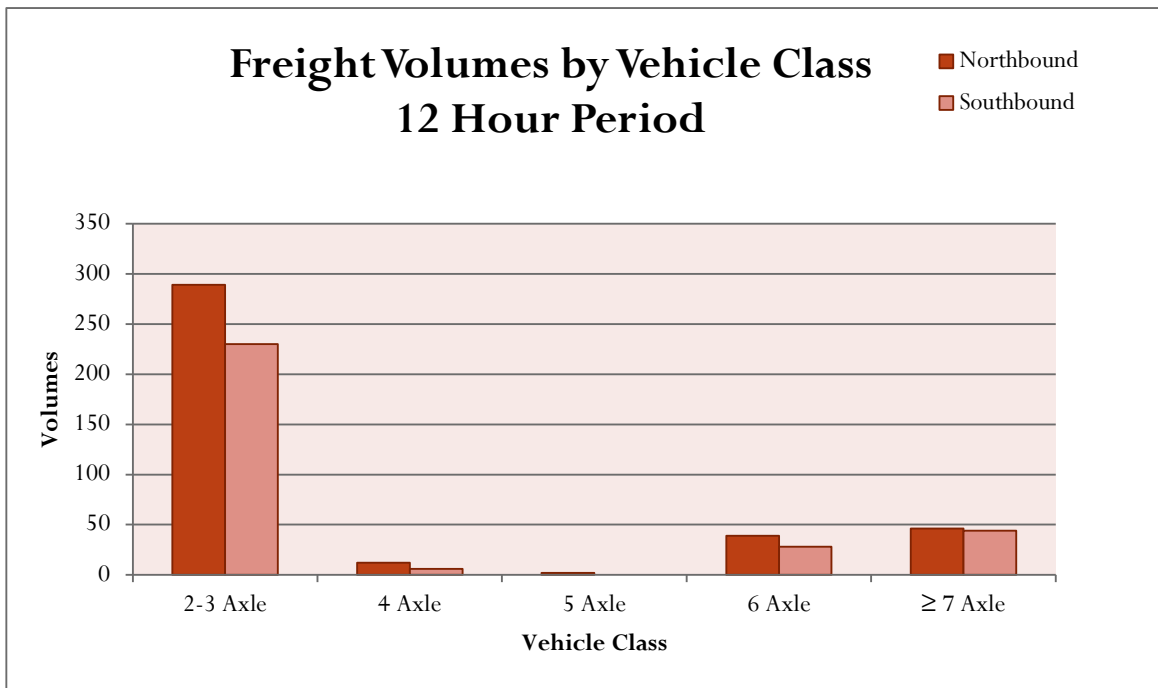
L/H/Volume Report

Date : 2023/10/02
Site : 1075 - Port Edward
Description : Between Port Edward and Munster

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			To Port Shepstone			To Port Edward		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	4106	294	4400	662	28	690	3341	290	3631	4106	294	4400	4003	318	4321
231003	00:00	24:00	4253	325	4578	779	24	803	3514	314	3828	4253	325	4578	4293	338	4631
231004	00:00	24:00	4089	345	4434	802	35	837	3464	337	3801	4089	345	4434	4266	372	4638
231005	00:00	24:00	4230	353	4583	780	37	817	3524	327	3851	4230	353	4583	4304	364	4668
231006	00:00	24:00	4457	350	4807	961	31	992	3894	310	4204	4457	350	4807	4855	341	5196
231007	00:00	24:00	4022	197	4219	740	27	767	3315	180	3495	4022	197	4219	4055	207	4262
231008	00:00	24:00	3495	93	3588	442	3	445	2534	100	2634	3495	93	3588	2976	103	3079

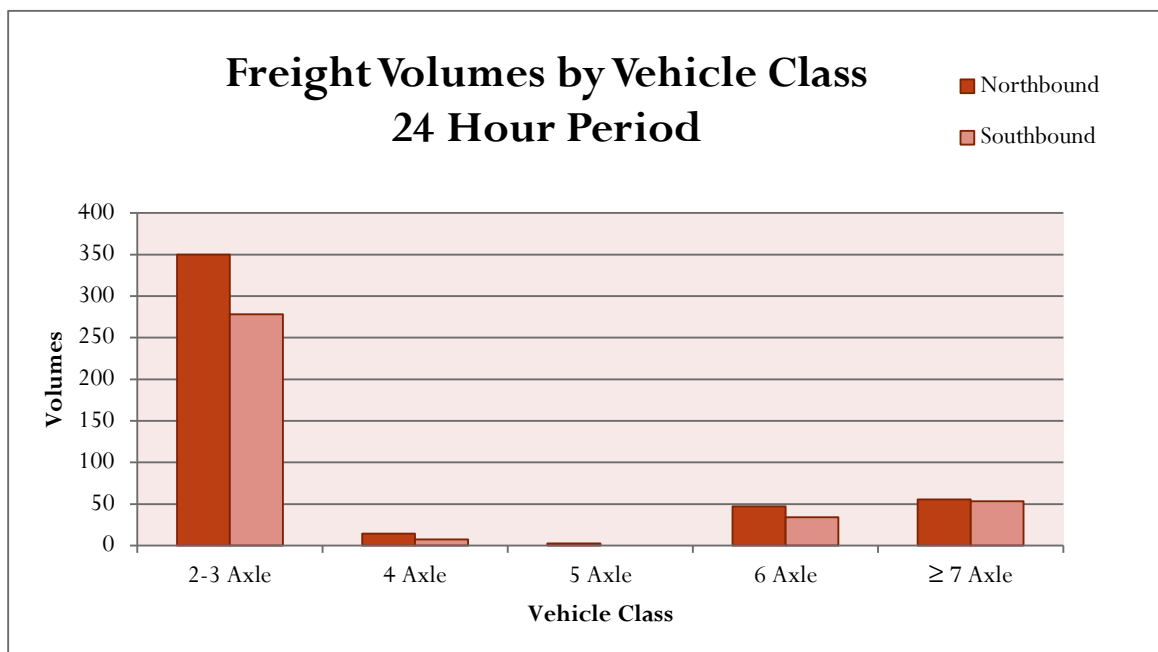
20 Port Edward (N002 Port Shepstone to Port Edward)

Date: 26-10-2023

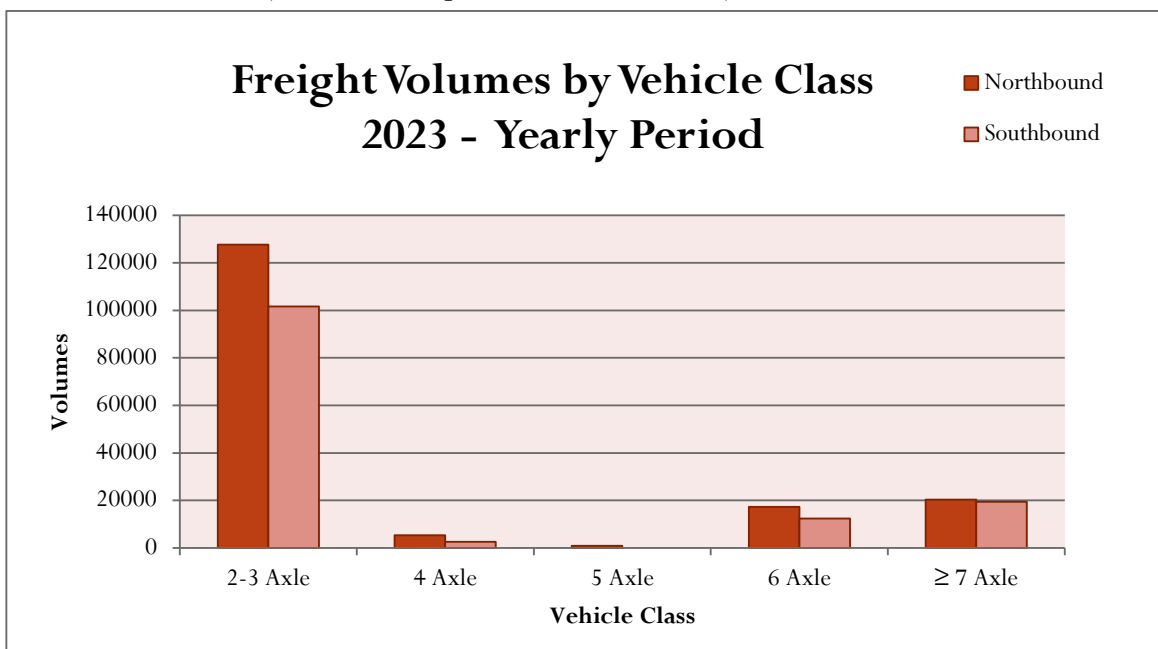


20 Port Edward (N002 Port Shepstone to Port Edward)

Date: 26-10-2023

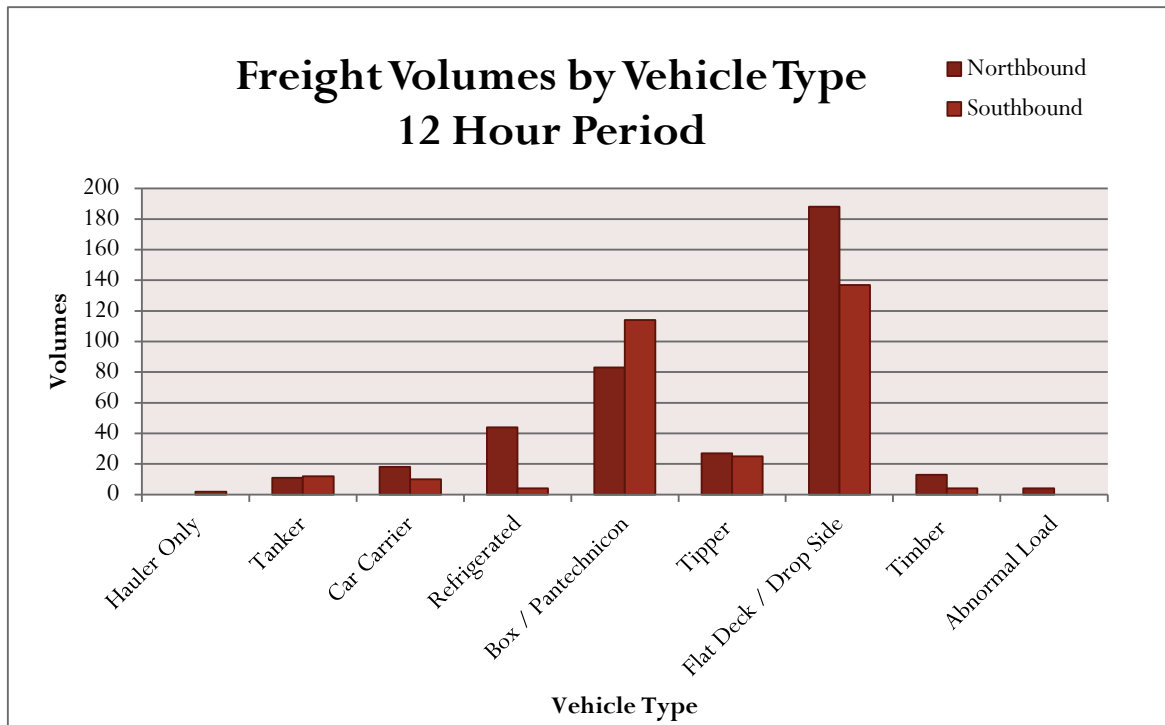


20 Port Edward (N002 Port Shepstone to Port Edward)



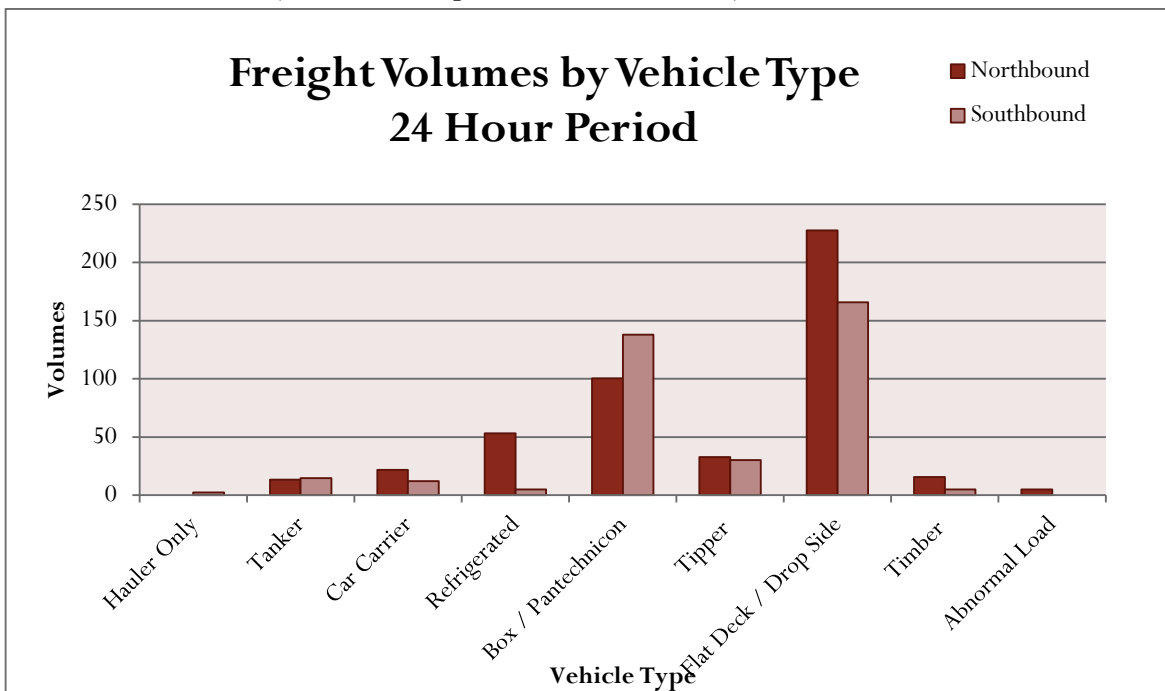
20 Port Edward (N002 Port Shepstone to Port Edward)

Date: 26-10-2023

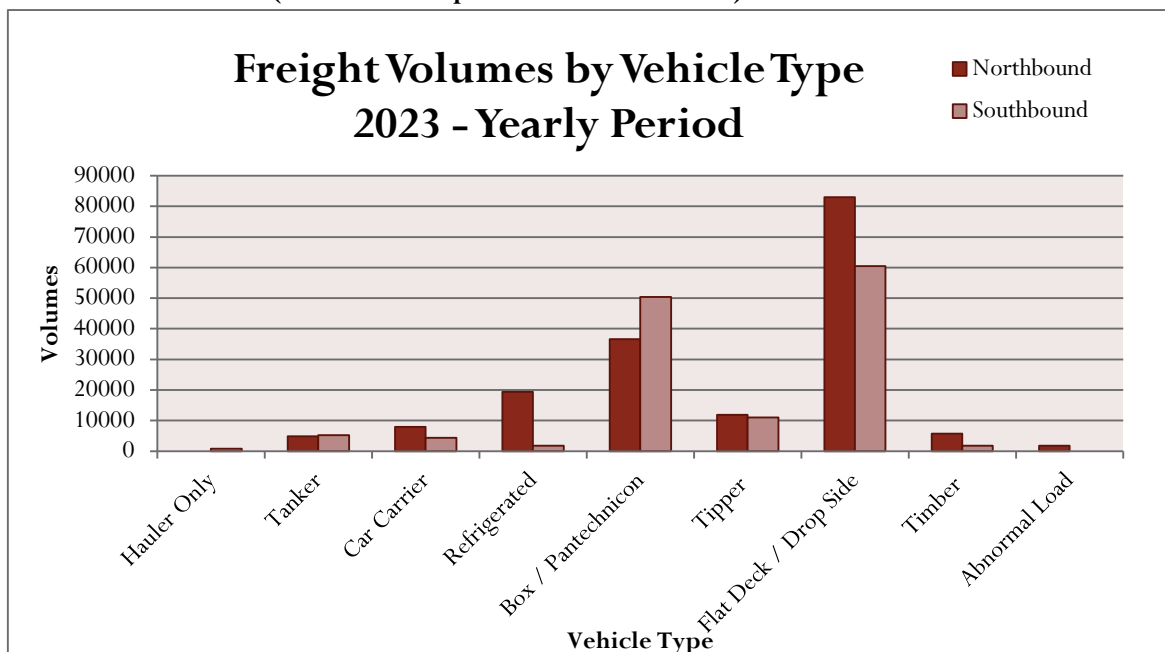


20 Port Edward (N002 Port Shepstone to Port Edward)

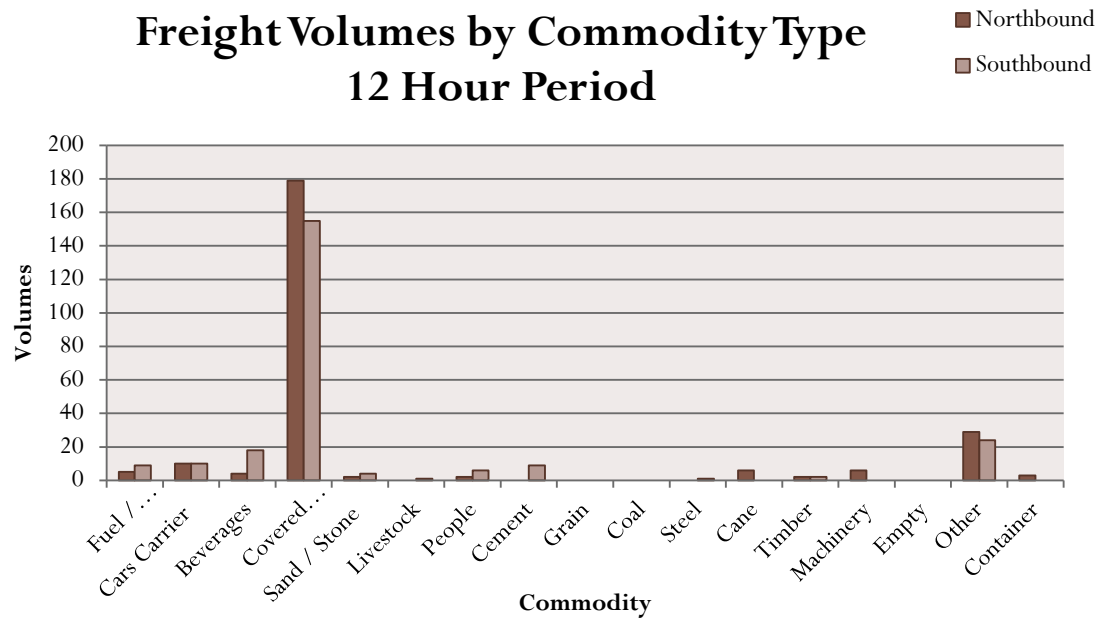
Date: 26-10-2023



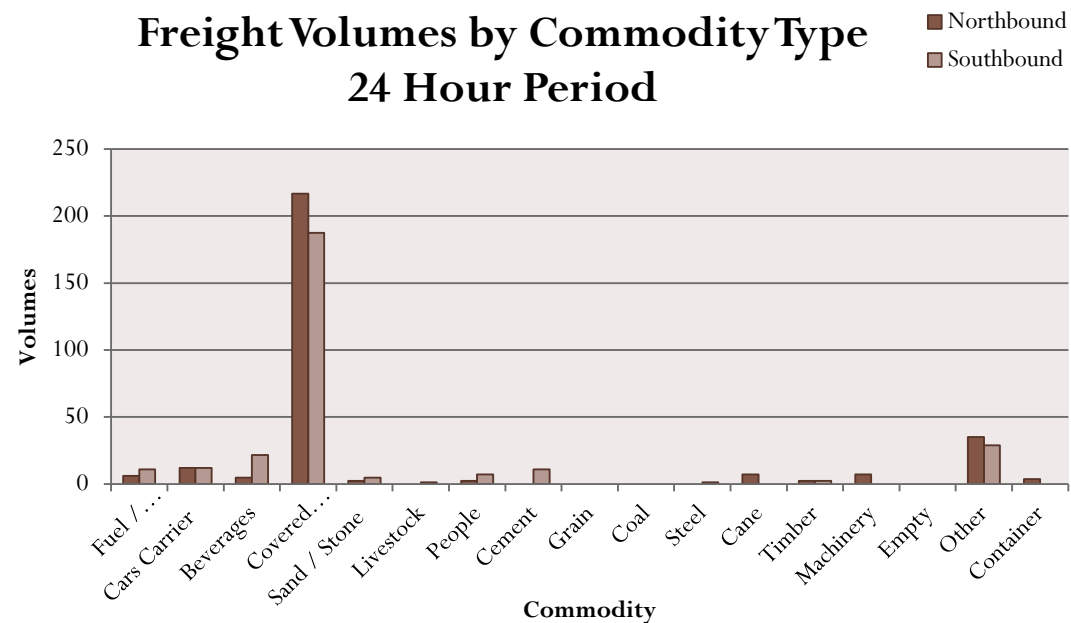
20 Port Edward (N002 Port Shepstone to Port Edward)



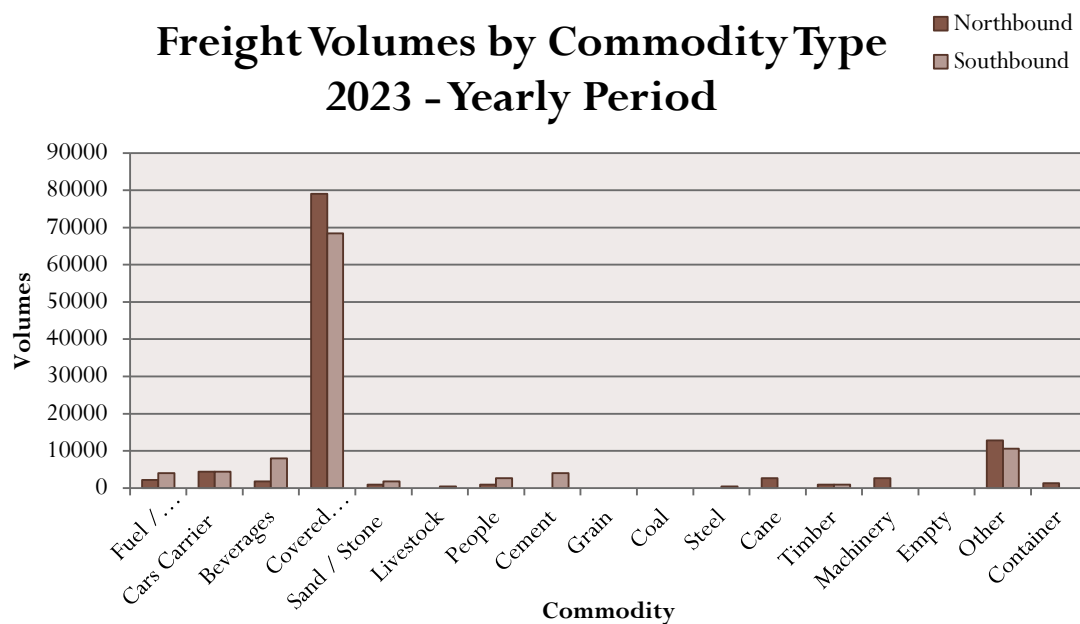
Freight Volumes by Commodity Type 12 Hour Period



Freight Volumes by Commodity Type 24 Hour Period

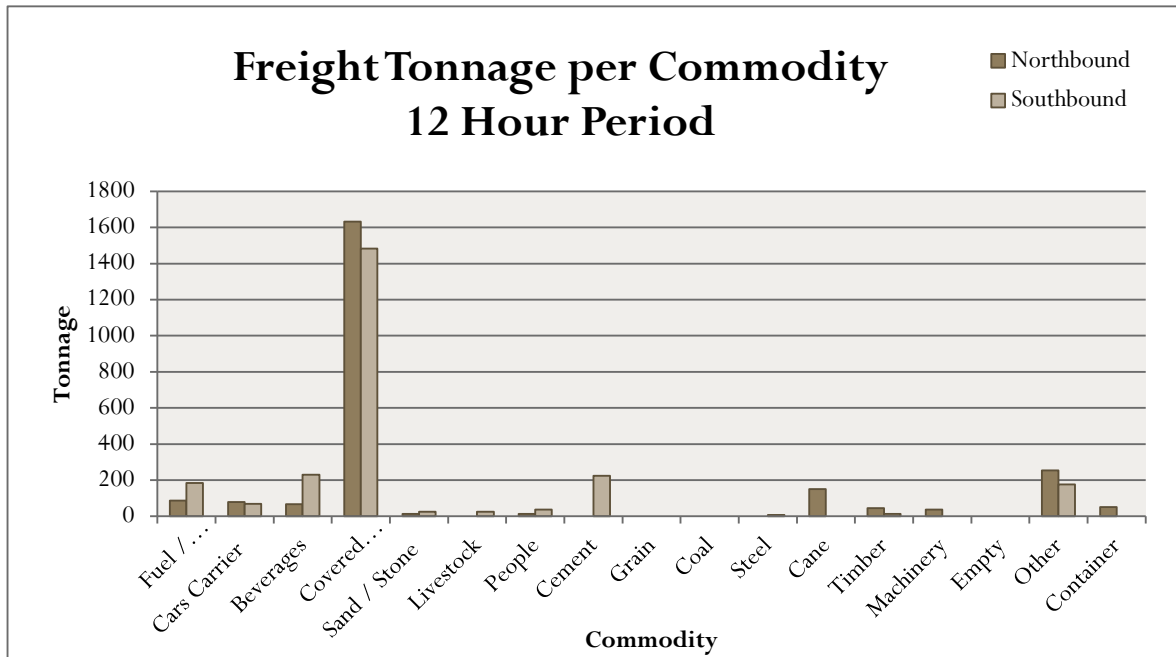


Freight Volumes by Commodity Type 2023 - Yearly Period



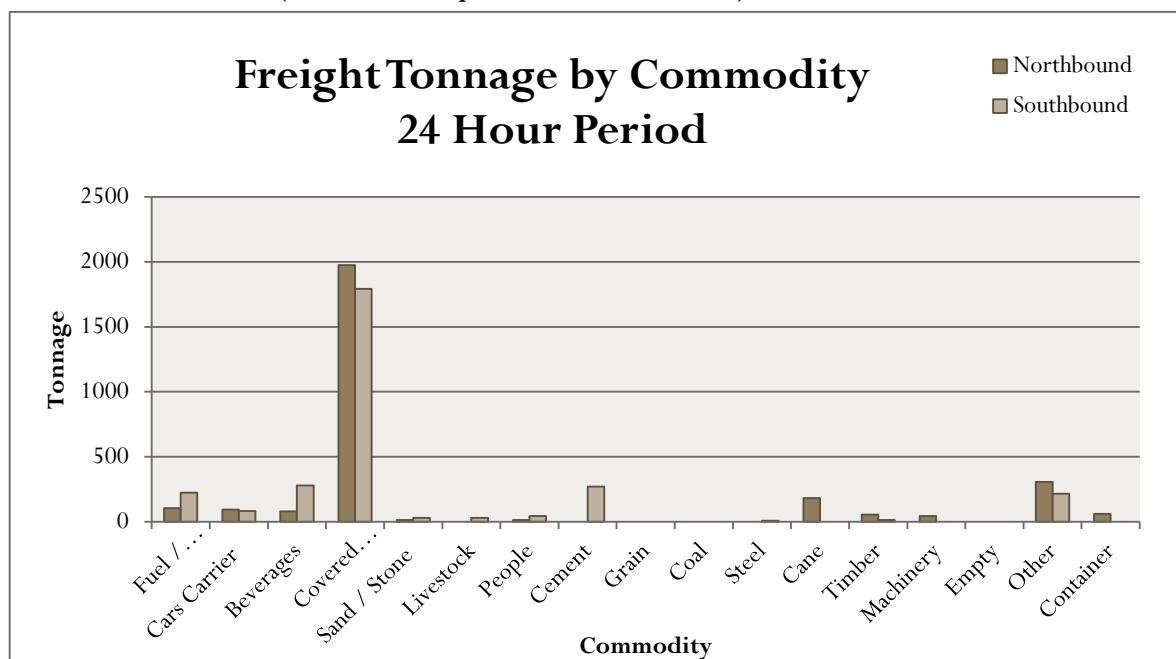
20 Port Edward (N002 Port Shepstone to Port Edward)

Date: 26-10-2023

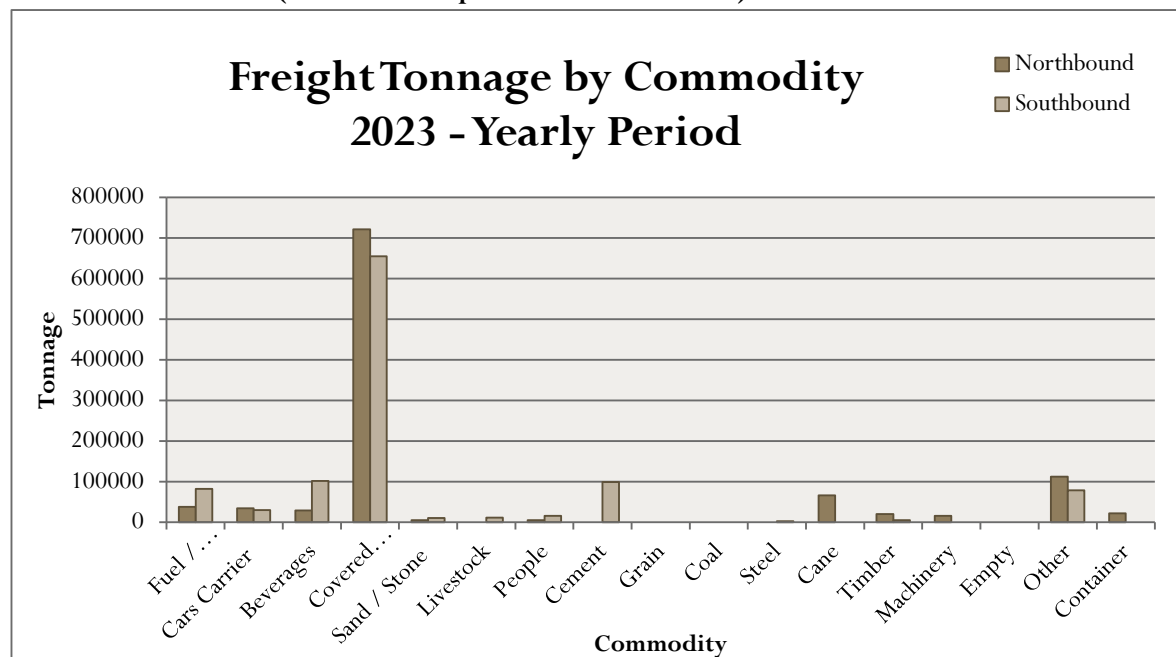


20 Port Edward (N002 Port Shepstone to Port Edward)

Date: 26-10-2023



20 Port Edward (N002 Port Shepstone to Port Edward)



20 Port Edward (N002 Port Shepstone to Port Edward)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)													Date: 26-10-2023
Northbound							Southbound						
	2-3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		2-3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	6	0	0	80	0	86	Fuel / Chemicals	0	0	0	160	25	185
Cars Carrier	48	10	0	20	0	78	Cars Carrier	48	20	0	0	0	68
Beverages	6	0	15	20	25	66	Beverages	60	10	0	60	100	230
Covered Load / Sail or Tarp	858	30	0	320	425	1633	Covered Load / Sail or Tarp	732	10	0	240	500	1482
Sand / Stone	12	0	0	0	0	12	Sand / Stone	24	0	0	0	0	24
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	25	25
People	12	0	0	0	0	12	People	36	0	0	0	0	36
Cement	0	0	0	0	0	0	Cement	0	0	0	0	225	225
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	6	0	0	0	0	6
Cane	0	0	0	0	150	150	Cane	0	0	0	0	0	0
Timber	0	0	0	20	25	45	Timber	12	0	0	0	0	12
Machinery	36	0	0	0	0	36	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	144	0	0	60	50	254	Other	132	0	0	20	25	177
Container	0	10	0	40	0	50	Container	0	0	0	0	0	0

20 Port Edward (N002 Port Shepstone to Port Edward)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)													Date: 26-10-2023
Northbound							Southbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	7	0	0	97	0	104	Fuel / Chemicals	0	0	0	194	30	224
Cars Carrier	58	12	0	24	0	94	Cars Carrier	58	24	0	0	0	82
Beverages	7	0	18	24	30	80	Beverages	73	12	0	73	121	278
Covered Load / Sail or Tarp	1038	36	0	387	514	1976	Covered Load / Sail or Tarp	886	12	0	290	605	1793
Sand / Stone	15	0	0	0	0	15	Sand / Stone	29	0	0	0	0	29
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	30	30
People	15	0	0	0	0	15	People	44	0	0	0	0	44
Cement	0	0	0	0	0	0	Cement	0	0	0	0	272	272
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	7	0	0	0	0	7
Cane	0	0	0	0	182	182	Cane	0	0	0	0	0	0
Timber	0	0	0	24	30	54	Timber	15	0	0	0	0	15
Machinery	44	0	0	0	0	44	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	174	0	0	73	61	307	Other	160	0	0	24	30	214
Container	0	12	0	48	0	61	Container	0	0	0	0	0	0

20 Port Edward (N002 Port Shepstone to Port Edward)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Northbound							Southbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	2650	0	0	35332	0	37982	Fuel / Chemicals	0	0	0	70664	11041	81705
Cars Carrier	21199	4417	0	8833	0	34449	Cars Carrier	21199	8833	0	0	0	30032
Beverages	2650	0	6625	8833	11041	29149	Beverages	26499	4417	0	26499	44165	101580
Covered Load / Sail or Tarp	378936	13250	0	141328	187701	721214	Covered Load / Sail or Tarp	323288	4417	0	105996	220825	654525
Sand / Stone	5300	0	0	0	0	5300	Sand / Stone	10600	0	0	0	0	10600
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	11041	11041
People	5300	0	0	0	0	5300	People	15899	0	0	0	0	15899
Cement	0	0	0	0	0	0	Cement	0	0	0	0	99371	99371
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	2650	0	0	0	0	2650
Cane	0	0	0	0	66248	66248	Cane	0	0	0	0	0	0
Timber	0	0	0	8833	11041	19874	Timber	5300	0	0	0	0	5300
Machinery	15899	0	0	0	0	15899	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	63598	0	0	26499	22083	112179	Other	58298	0	0	8833	11041	78172
Container	0	4417	0	17666	0	22083	Container	0	0	0	0	0	0

20 Port Edward (N002 Port Shepstone to Port Edward)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 26-10-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle						0
3 Axle						0	3 Axle						0
4 Axle				1		2	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle				2		4	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						6	TOTAL						0

20 Port Edward (N002 Port Shepstone to Port Edward)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 26-10-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	0	0	0	0	0	0
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	0	0	0	1	0	2	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	0	0	0	0	0
6 Axle	0	0	0	2	0	5	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						7	TOTAL						0

20 Port Edward (N002 Port Shepstone to Port Edward) Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	0	0	0	0	0	0
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	0	0	0	442	0	883	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	0	0	0	0	0
6 Axle	0	0	0	883	0	1767	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						2650	TOTAL						0