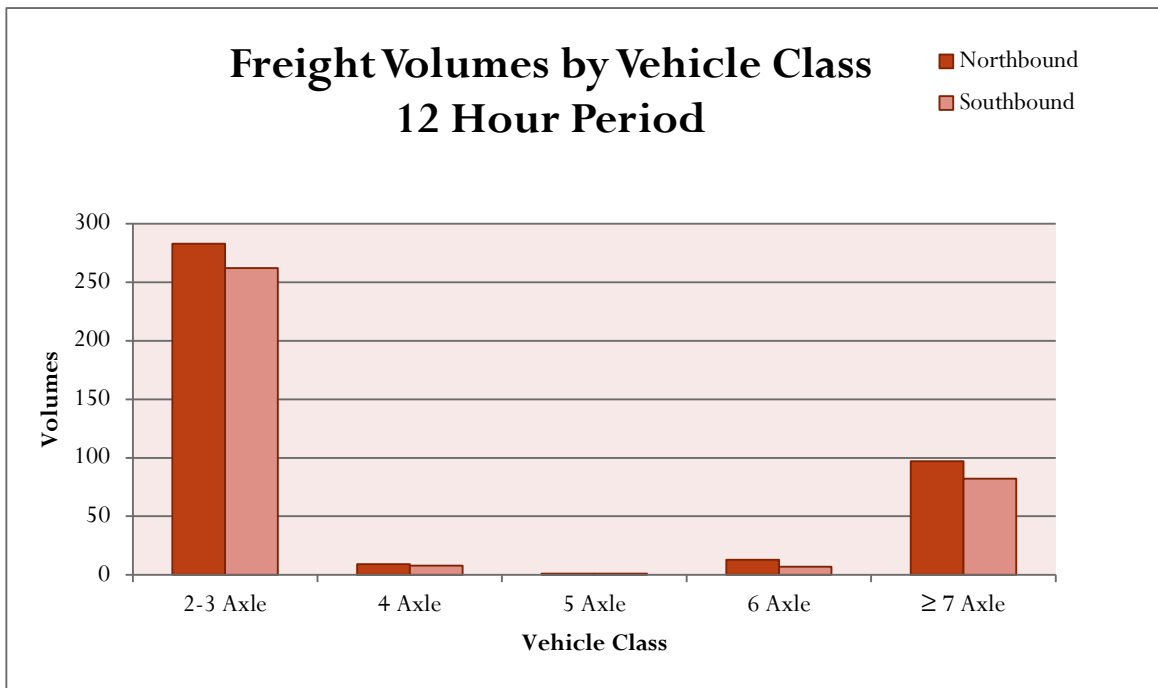


TRAFFIC HIGHLIGHTS OF SITE 1271			
1.1	Site Identifier	1271	
1.2	Site Name	Brackenhams WIM	
1.3	Site Description		
1.4	Road Description	Route : Road : Section : Distance : 0.0km	
1.5	GPS Position	32 01 38.6E -28 42 12.5S	
1.6	Number of Lanes	2	
1.7	Station Type	Permanent WIM	
1.8	Requested Period	2022/01/01 - 2022/12/31	
1.9	Length of record requested (hours)	8760	
1.10	Actual First & Last Dates	2022/01/01 - 2022/12/31	
1.11	Actual available good data (hours)	8493	
1.12	Percentage good data available for requested period	97.0	
		To Richardsbay	Total
2.1a	Total number of vehicles (counted)	2443297	4894591
2.1b	Total number of vehicles (projected for period)	2520069	5048386
2.2	Average daily traffic (ADT)	6904	13831
2.3	Average daily truck traffic (ADTT)	1060	2118
2.4	Percentage of trucks	15.4	15.3
2.5	Truck split % (short:medium:long)	32 : 16 : 52	34 : 16 : 50
2.6	Percentage of night traffic (20:00 - 06:00)	13.9	12.8
3.1	Speed limit (km/hr)		0
3.2	Average speed (km/hr)	68.7	70.8
3.3	Average speed - light vehicles (km/hr)	69.8	71.7
3.4	Average speed - heavy vehicles (km/hr)	62.4	66.0
3.5	Average night speed (km/hr)	68.2	70.1
3.6	15th centile speed (km/hr)	55.8	57.9
3.7	85th centile speed (km/hr)	83.0	84.0
3.8	Percentage vehicles in excess of speed limit	100.0	100.0
4.1	Percentage vehicles in flows over 600 vehicles/hr	12.3	80.8
4.2	Highest volume on the road (vehicles/hr)	2022/07/07 07:00:00	1778
4.3	Highest volume in the South (vehs/hr)	2022/09/21 12:00:00	1030
4.4	Highest volume in the North (vehs/hr)	2022/07/07 08:00:00	902
4.5	Highest volume in a lane (vehicles/hr)	2022/09/21 12:00:00	1030
4.6	15th highest volume on the road (vehicles/hr)	2022/04/29 17:00:00	1400
4.7	15th highest volume in the South direction (vehs/hr)	2022/02/14 07:00:00	761
4.8	15th highest volume in the North direction (vehs/hr)	2022/02/25 18:00:00	789
4.9	30th highest volume on the road (vehicles/hr)	2022/02/15 08:00:00	1382
4.10	30th highest volume in the South direction (vehs/hr)	2022/02/16 07:00:00	737
4.11	30th highest volume in the North direction (vehs/hr)	2022/09/30 18:00:00	767
5.1	Percentage of vehicles less than 2s behind vehicle ahead	27.7	30.2
6.1	Total number of heavy vehicles (projected for period)	386875	773071
6.2	Estimated average number of axles per truck	4.8	4.8
6.3	Estimated truck mass (Ton/truck)	29.2	24.1
6.4	Estimated average E80/truck	2.6	2.0
6.5	Estimated daily E80 on the road		4311
6.6	Estimated daily E80 in the South direction		2709
6.7	Estimated daily E80 in the North direction		1595
6.8	Actual average daily E80 in the worst South lane		18340
6.9	Actual average daily E80 in the worst North lane		1831
6.10	Actual average Axles/Truck (Short:Medium:Long)	(2.4 : 2.5 : 7.0)	(2.4 : 2.6 : 7.0)
6.11	Actual average Mass/Truck (Short:Medium:Long)	(10.5 : 12.8 : 45.8)	(10.0 : 14.6 : 36.4)
6.12	Actual average E80s/Truck (Short:Medium:Long)	(0.9 : 1.0 : 4.0)	(0.7 : 1.6 : 3.1)

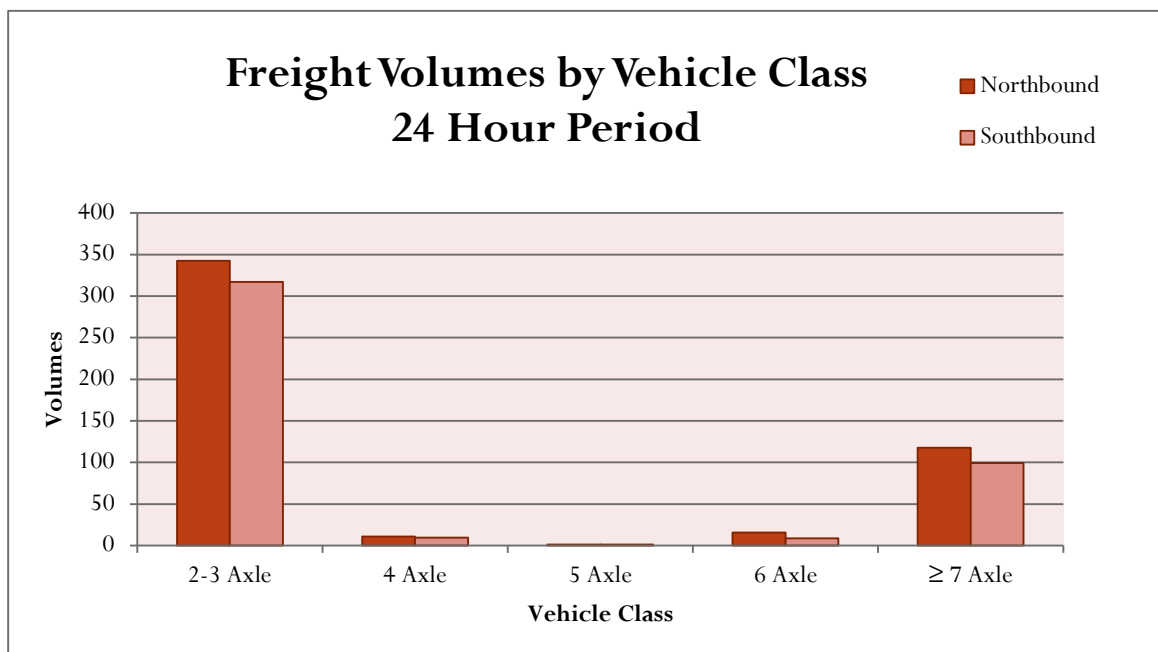
Brakenham (P231 Richardsbay to Enseleni)

Date: 31-10-2023

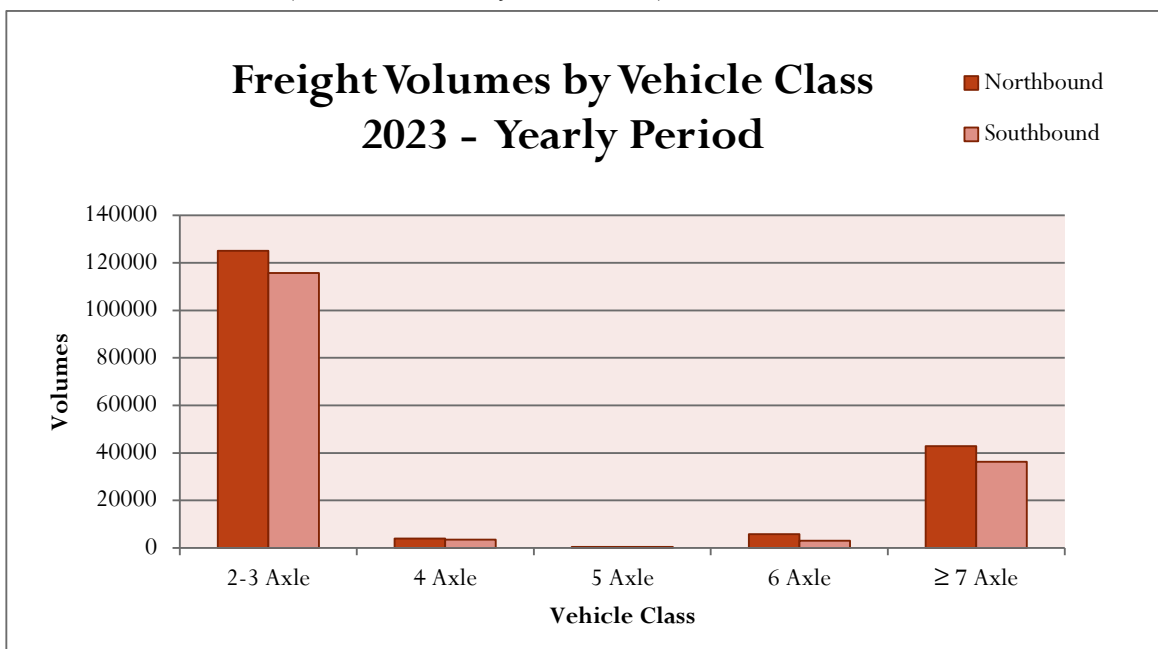


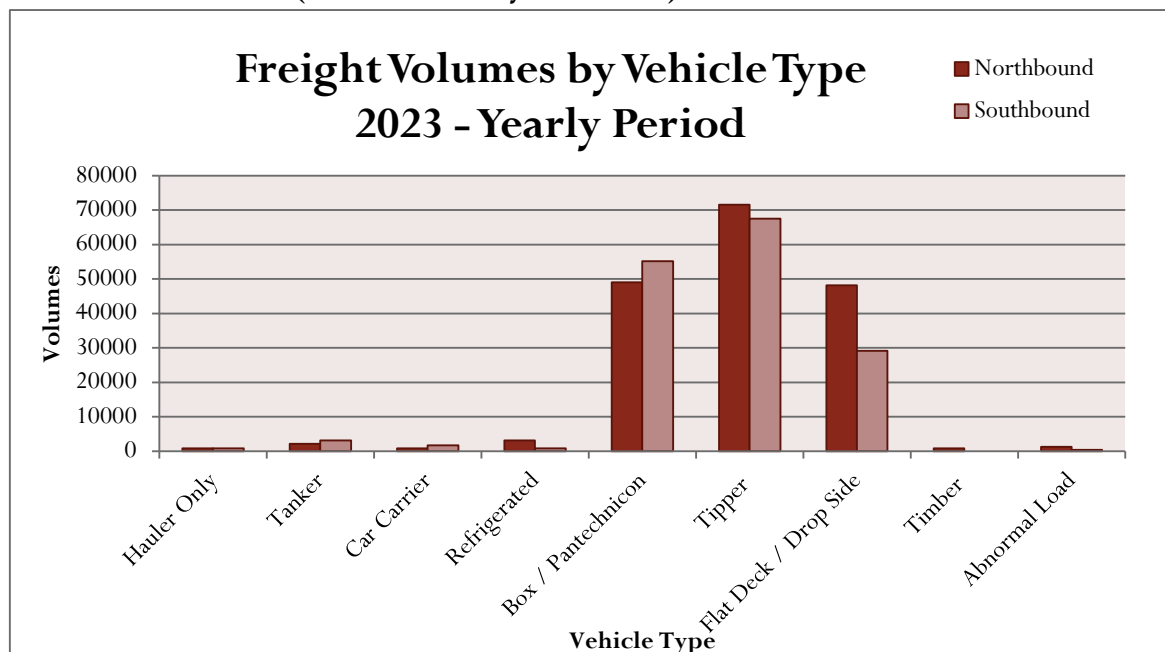
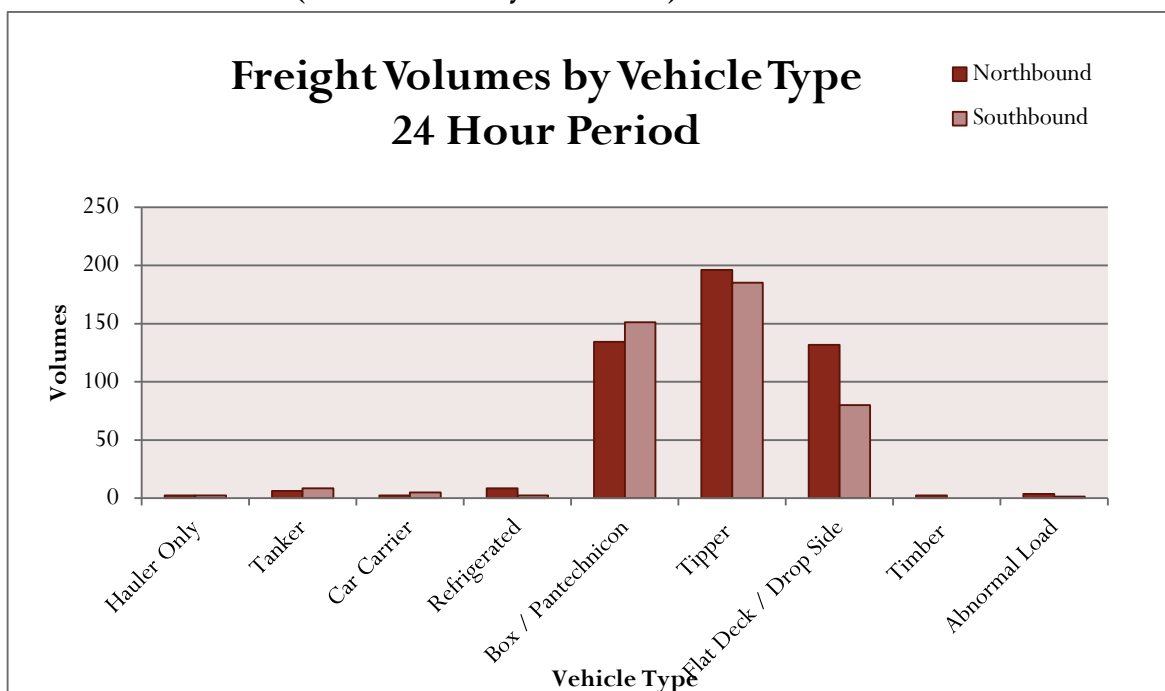
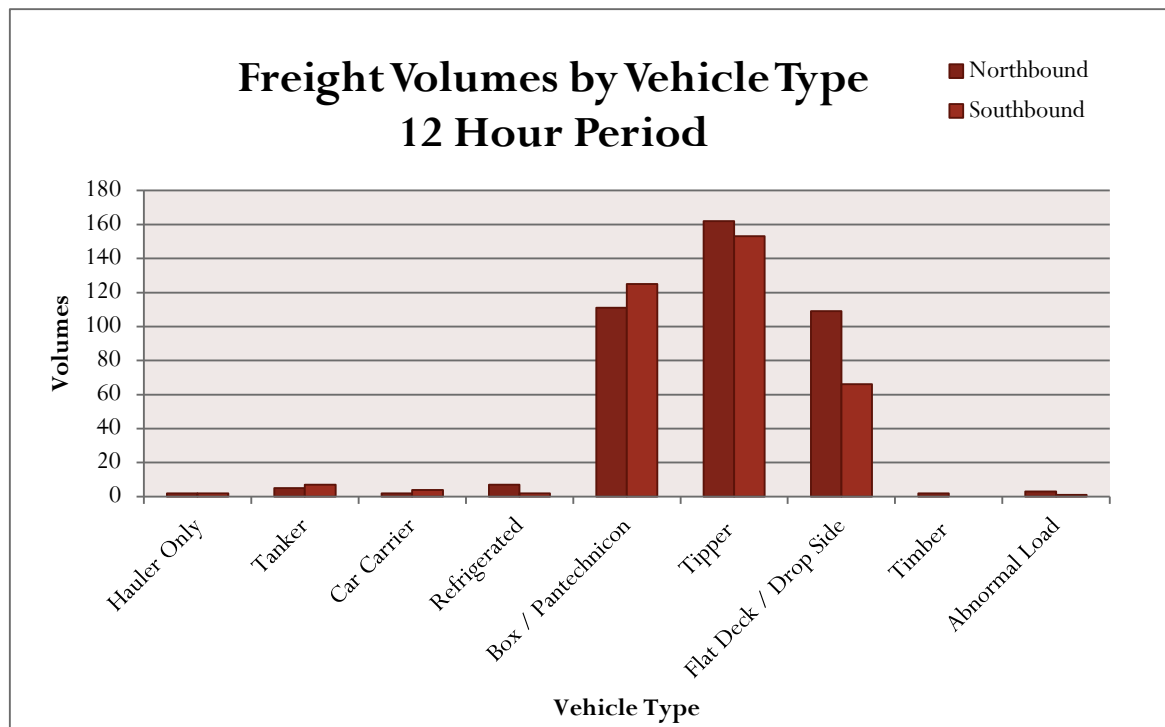
Brakenham (P231 Richardsbay to Enseleni)

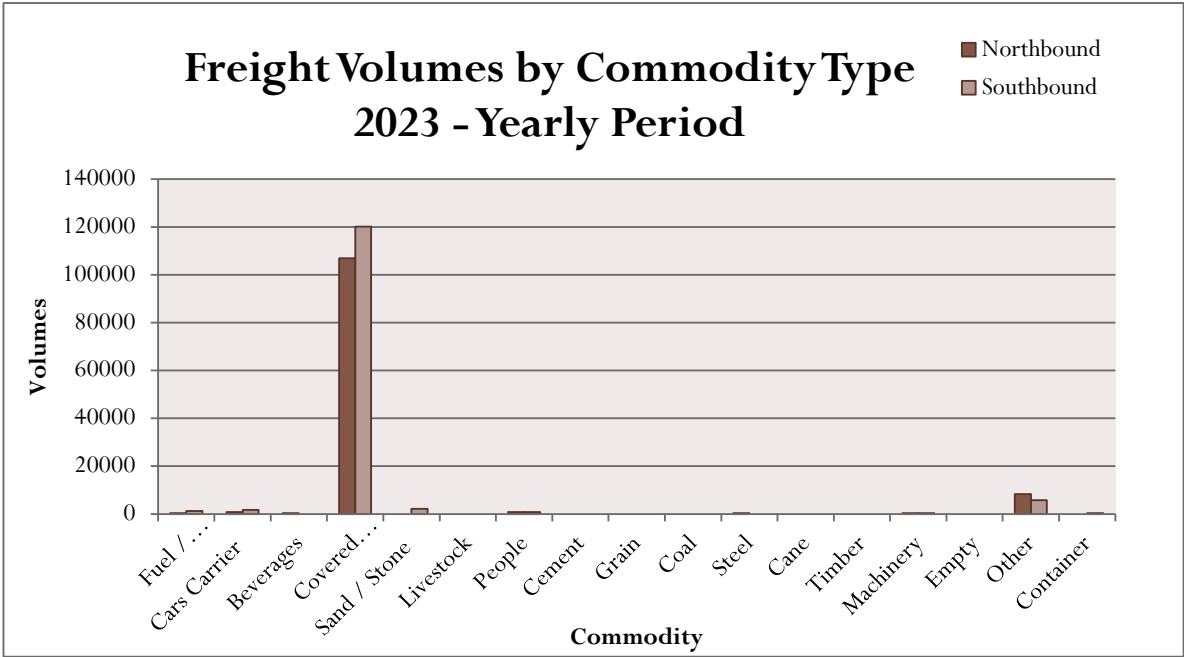
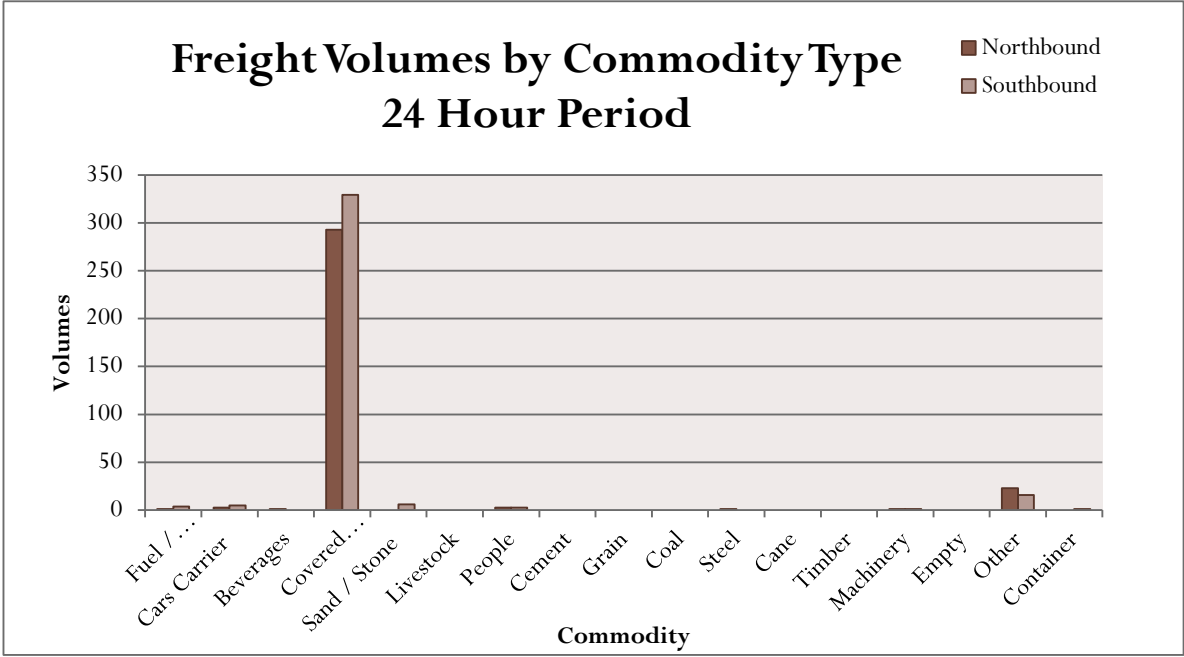
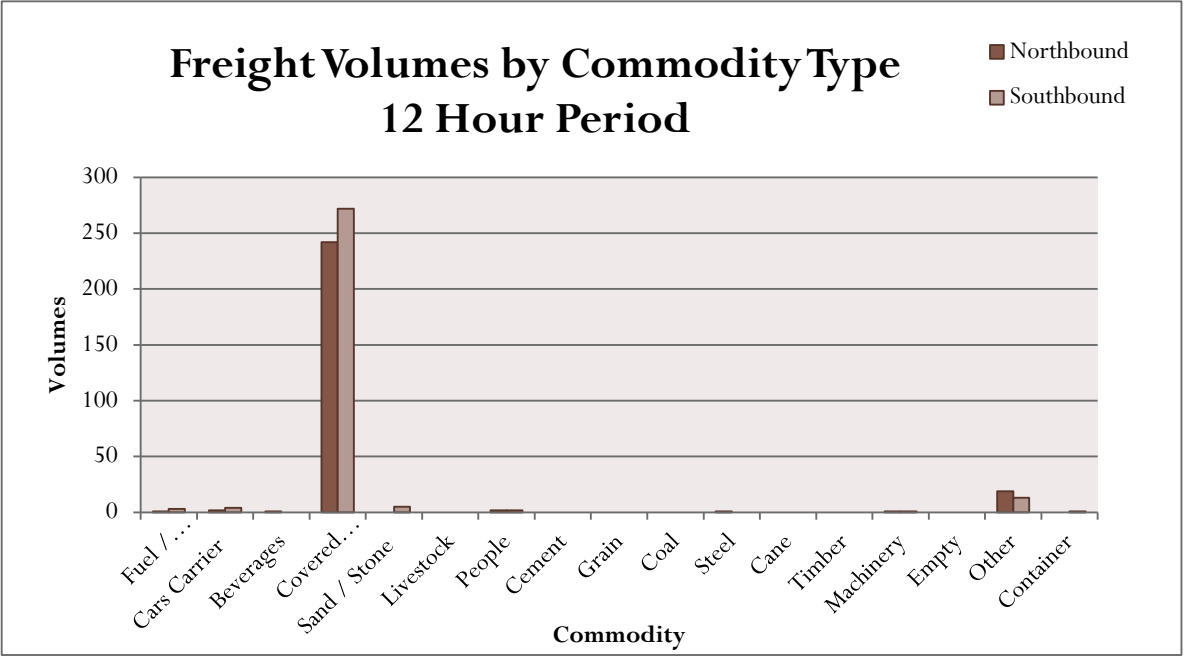
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Brakenham (P231 Richardsbay to Enseleni)

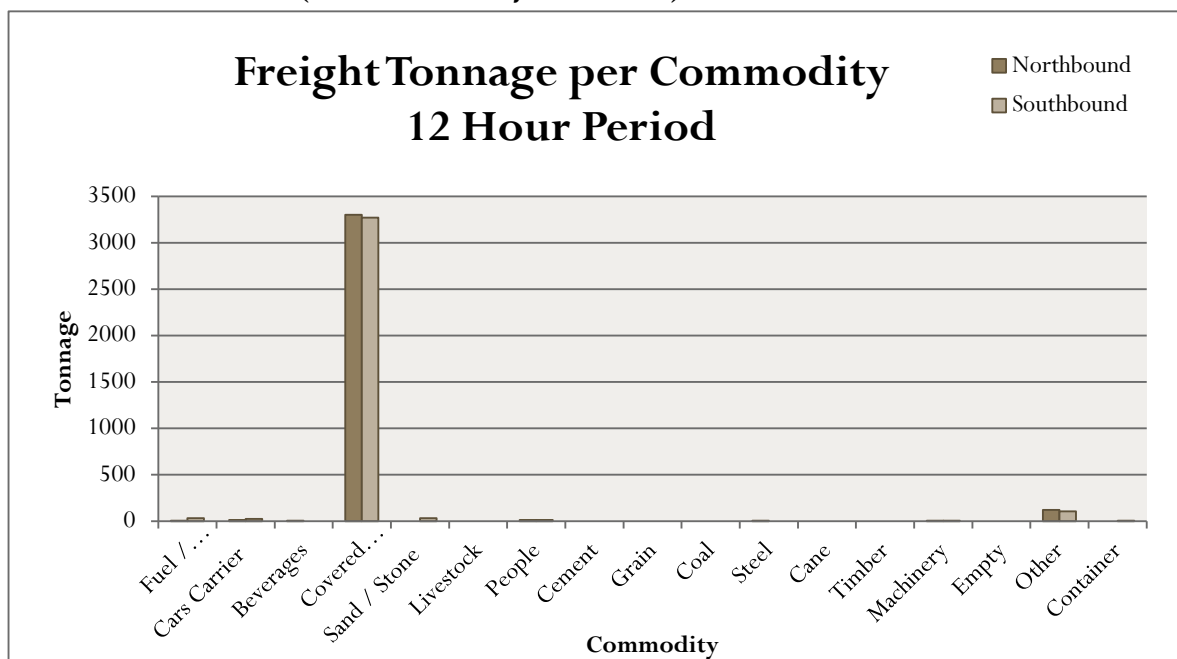






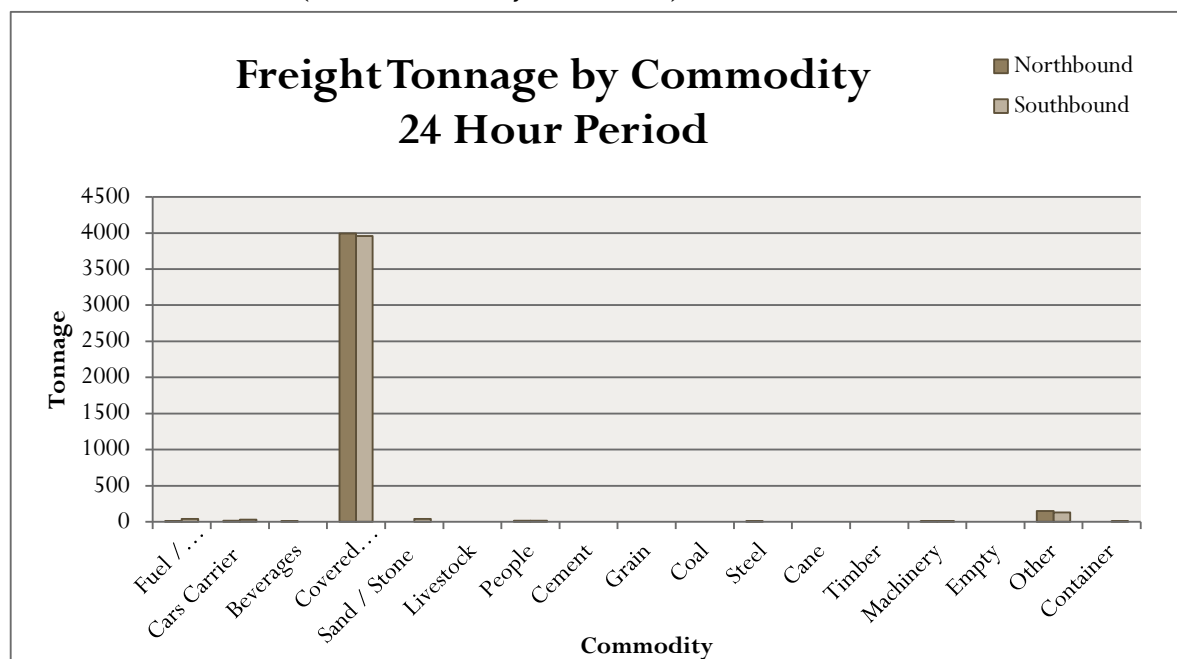
Brakenham (P231 Richardsbay to Enseleni)

Date: 31-10-2023

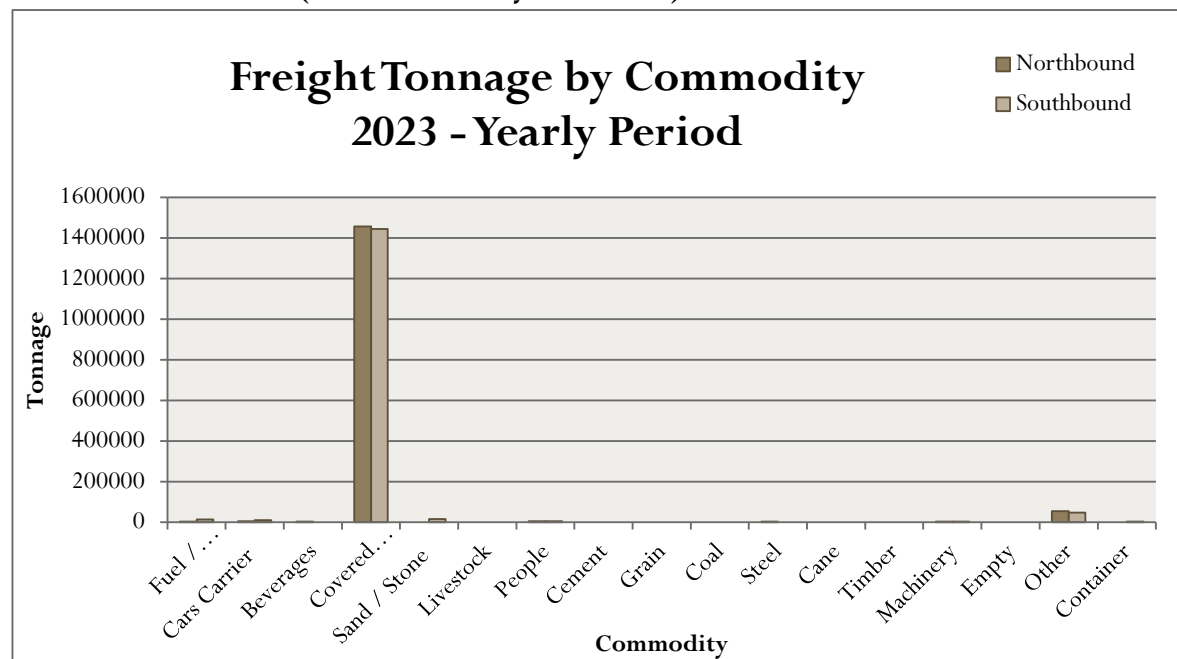


Brakenham (P231 Richardsbay to Enseleni)

Date: 31-10-2023



Brakenham (P231 Richardsbay to Enseleni)



Brakenham (P231 Richardsbay to Enseleni)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 31-10-2023	
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	0	0	6	Fuel / Chemicals	12	0	0	20	0	32
Cars Carrier	12	0	0	0	0	12	Cars Carrier	24	0	0	0	0	24
Beverages	6	0	0	0	0	6	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	840	20	15	200	2225	3300	Covered Load / Sail or Tarp	1080	60	0	80	2050	3270
Sand / Stone	0	0	0	0	0	0	Sand / Stone	24	10	0	0	0	34
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	12	0	0	0	0	12	People	12	0	0	0	0	12
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	6	0	0	0	0	6	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	0	0
Machinery	6	0	0	0	0	6	Machinery	6	0	0	0	0	6
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	102	20	0	0	0	122	Other	66	0	0	40	0	106
Container	0	0	0	0	0	0	Container	6	0	0	0	0	6

Brakenham (P231 Richardsbay to Enseleni)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 31-10-2023	
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	0	0	7	Fuel / Chemicals	15	0	0	24	0	39
Cars Carrier	15	0	0	0	0	15	Cars Carrier	29	0	0	0	0	29
Beverages	7	0	0	0	0	7	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	1016	24	18	242	2692	3993	Covered Load / Sail or Tarp	1307	73	0	97	2481	3957
Sand / Stone	0	0	0	0	0	0	Sand / Stone	29	12	0	0	0	41
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	15	0	0	0	0	15	People	15	0	0	0	0	15
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	7	0	0	0	0	7	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	0	0
Machinery	7	0	0	0	0	7	Machinery	7	0	0	0	0	7
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	123	24	0	0	0	148	Other	80	0	0	48	0	128
Container	0	0	0	0	0	0	Container	7	0	0	0	0	7

Brakenham (P231 Richardsbay to Enseleni)													
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	0	0	2650	Fuel / Chemicals	5300	0	0	8833	0	14133
Cars Carrier	5300	0	0	0	0	5300	Cars Carrier	10600	0	0	0	0	10600
Beverages	2650	0	0	0	0	2650	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	370986	8833	6625	88330	982671	1457445	Covered Load / Sail or Tarp	476982	26499	0	35332	905383	1444196
Sand / Stone	0	0	0	0	0	0	Sand / Stone	10600	4417	0	0	0	15016
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	5300	0	0	0	0	5300	People	5300	0	0	0	0	5300
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	2650	0	0	0	0	2650	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	0	0
Machinery	2650	0	0	0	0	2650	Machinery	2650	0	0	0	0	2650
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	45048	8833	0	0	0	53881	Other	29149	0	0	17666	0	46815
Container	0	0	0	0	0	0	Container	2650	0	0	0	0	2650

Brakenham (P231 Richardsbay to Enseleni)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 31-10-2023	
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						0	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						0

Brakenham (P231 Richardsbay to Enseleni)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)											Date: 31-10-2023		
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	0	0	0	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	0	0	0	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						0	TOTAL						0

Brakenham (P231 Richardsbay to Enseleni) 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	0	0	0	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	0	0	0	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						0	TOTAL						0