

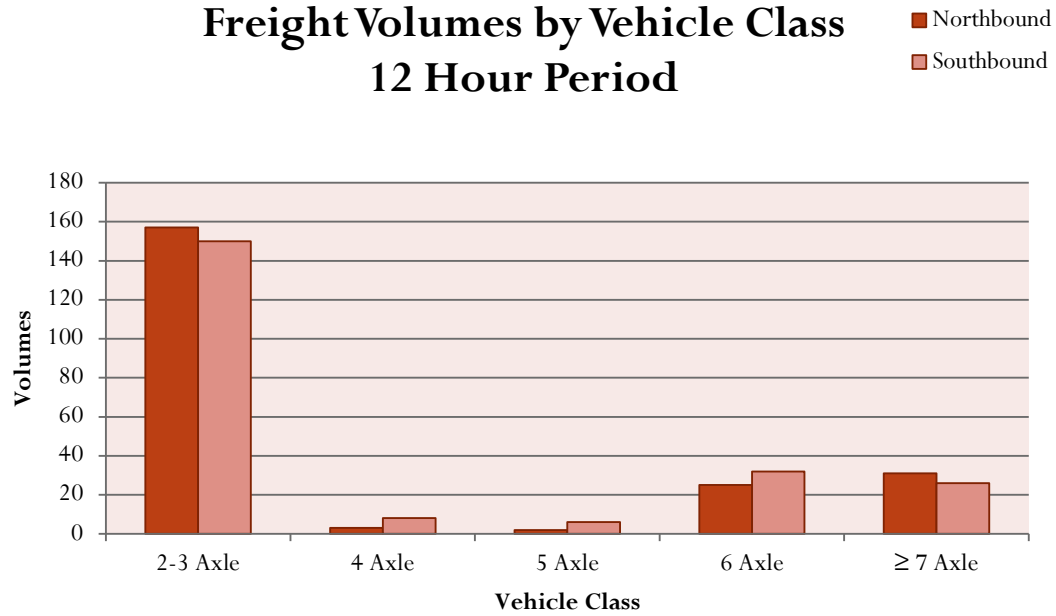
TRAFFIC HIGHLIGHTS OF SITE 00420				
1.1	Site Identifier	00420		
1.2	Site Name	Matatiele		
1.3	Site Description	9.9 km west of Matatiele on R56		
1.4	Road Description	Route : R056 Road : TR01905 Section : 08 Distance : 115.4km		
1.5	GPS Position	28 41 13.2E -30 19 57.7S		
1.6	Number of Lanes	2		
1.7	Station Type	Permanent Piezo		
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)	8760		
1.12	Percentage good data available for requested period	100.0		
		To Matatiele	To Mount Fletcher	Total
2.1a	Total number of vehicles (counted)	538154	538921	1077075
2.1b	Total number of vehicles (projected for period)	538154	538921	1077075
2.2	Average daily traffic (ADT)	1474	1476	2951
2.3	Average daily truck traffic (ADTT)	133	125	258
2.4	Percentage of trucks	9.0	8.5	8.7
2.5	Truck split % (short:medium:long)	61 : 16 : 23	65 : 16 : 19	63 : 16 : 21
2.6	Percentage of night traffic (20:00 - 06:00)	7.8	7.9	7.8
3.1	Speed limit (km/hr)			100
3.2	Average speed (km/hr)	76.9	76.7	76.8
3.3	Average speed - light vehicles (km/hr)	77.5	77.3	77.4
3.4	Average speed - heavy vehicles (km/hr)	71.1	70.0	70.6
3.5	Average night speed (km/hr)	76.6	77.1	76.9
3.6	15th centile speed (km/hr)	59.9	58.9	59.9
3.7	85th centile speed (km/hr)	97.0	97.0	97.0
3.8	Percentage vehicles in excess of speed limit	10.4	10.4	10.4
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)		2022/12/24 16:00:00	458
4.3	Highest volume in the East (vehs/hr)		2022/01/03 09:00:00	318
4.4	Highest volume in the West (vehs/hr)		2022/12/23 19:00:00	288
4.5	Highest volume in a lane (vehicles/hr)		2022/01/03 09:00:00	318
4.6	15th highest volume on the road (vehicles/hr)		2022/12/30 15:00:00	391
4.7	15th highest volume in the East direction (vehs/hr)		2022/01/05 09:00:00	228
4.8	15th highest volume in the West direction (vehs/hr)		2022/12/31 16:00:00	236
4.9	30th highest volume on the road (vehicles/hr)		2022/12/23 09:00:00	368
4.10	30th highest volume in the East direction (vehs/hr)		2022/12/28 11:00:00	215
4.11	30th highest volume in the West direction (vehs/hr)		2022/12/19 15:00:00	217
5.1	Percentage of vehicles less than 2s behind vehicle ahead	7.4	11.1	9.2
6.1	Total number of heavy vehicles (projected for period)	48551	45669	94220
6.2	Estimated average number of axles per truck	3.6	3.4	3.5
6.3	Estimated truck mass (Ton/truck)	20.8	19.7	20.3
6.4	Estimated average E80/truck	1.2	1.2	1.2
6.5	Estimated daily E80 on the road			315
6.6	Estimated daily E80 in the East direction			165
6.7	Estimated daily E80 in the West direction			150
6.8	Estimated daily E80 in the worst East lane			165
6.9	Estimated daily E80 in the worst West lane			150
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

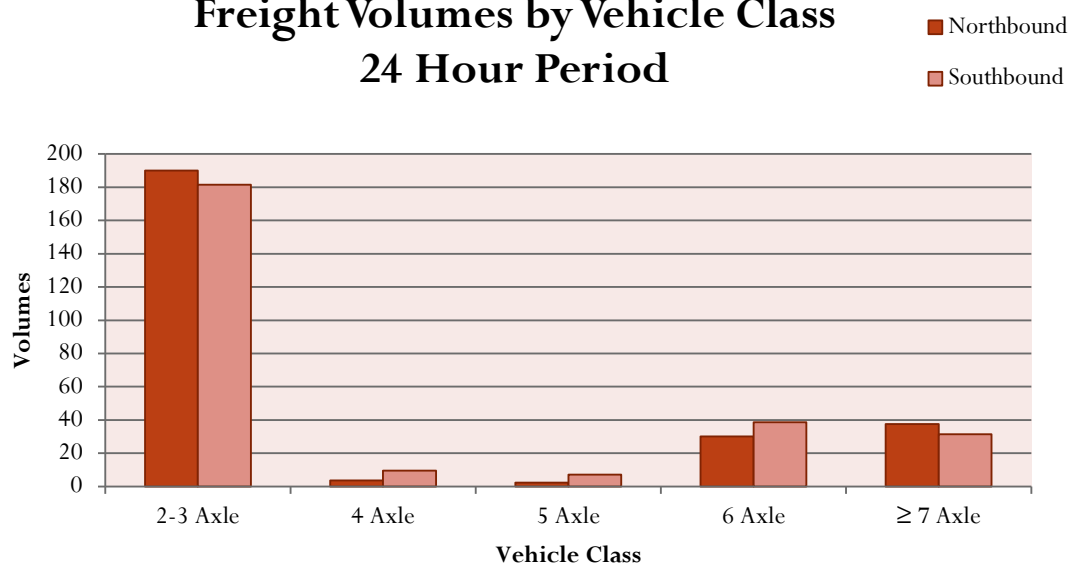
Date : 2023/10/02
Site : 00420 - Matatiele
Description : 9.9 km west of Matatiele on R56

Date	Time	Dur.	Lane 1			Lane 2			To Matatiele			To Mount Fletcher		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	1332	148	1480	1376	145	1521	1332	148	1480	1376	145	1521
231003	00:00	24:00	1410	137	1547	1443	140	1583	1410	137	1547	1443	140	1583
231004	00:00	24:00	1336	166	1502	1399	150	1549	1336	166	1502	1399	150	1549
231005	00:00	24:00	1420	180	1600	1475	171	1646	1420	180	1600	1475	171	1646
231006	00:00	24:00	1493	178	1671	1507	165	1672	1493	178	1671	1507	165	1672
231007	00:00	24:00	1273	125	1398	1281	102	1383	1273	125	1398	1281	102	1383
231008	00:00	24:00	1070	43	1113	937	43	980	1070	43	1113	937	43	980

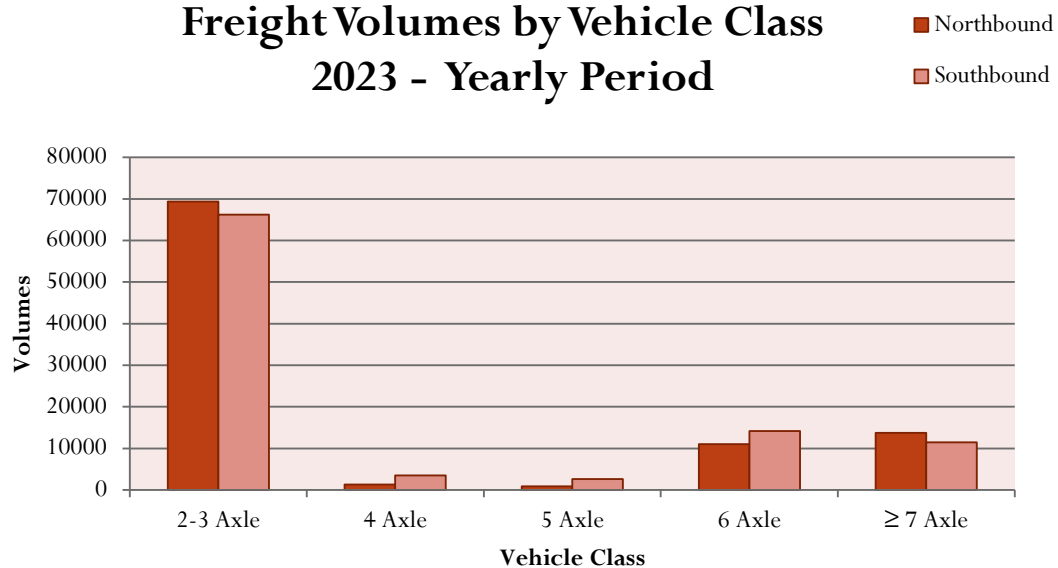
Freight Volumes by Vehicle Class 12 Hour Period

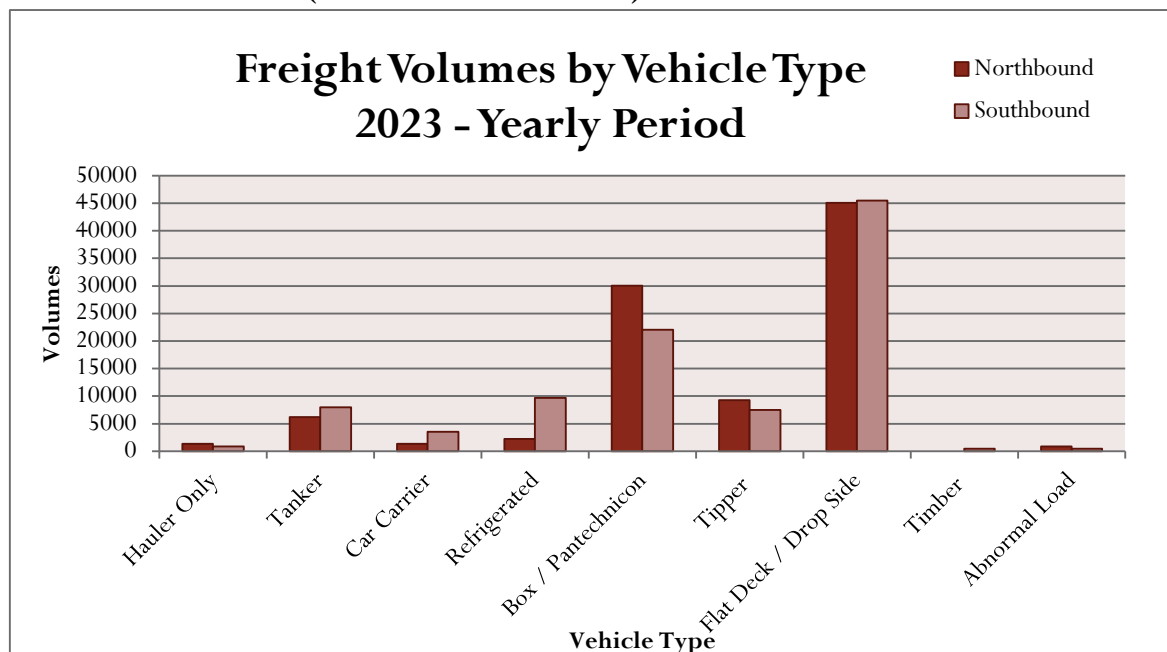
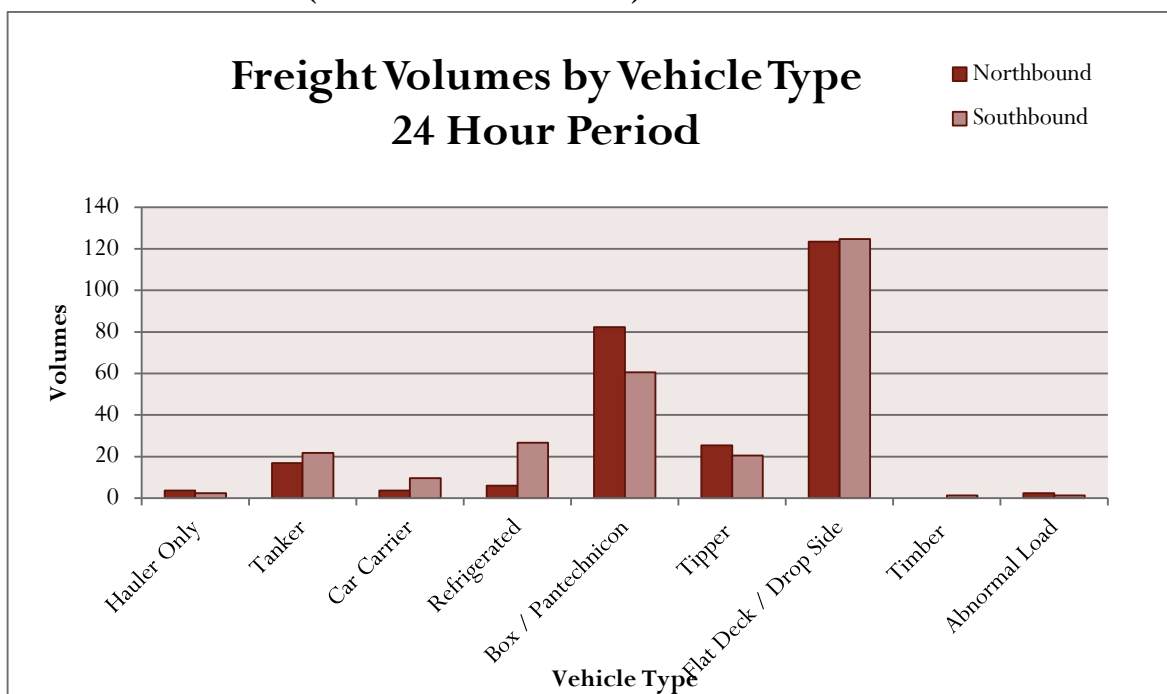
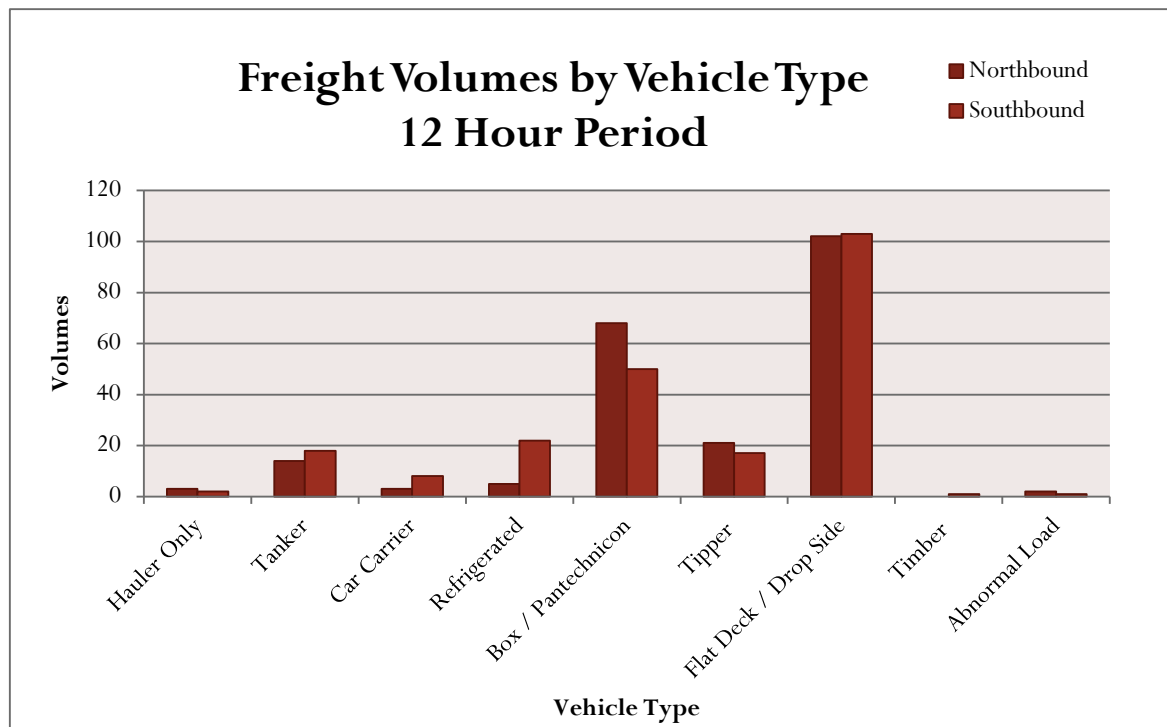


Freight Volumes by Vehicle Class 24 Hour Period



Freight Volumes by Vehicle Class 2023 - Yearly Period

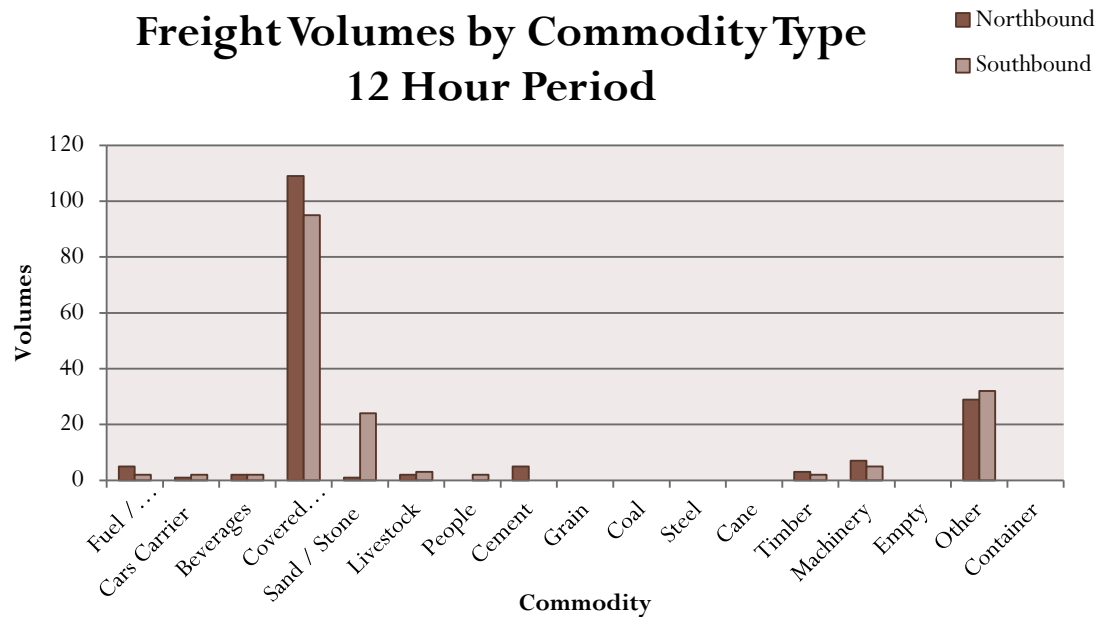




Matatiele (R56 Matatiele to Kokstad)

Date: 26-10-2023

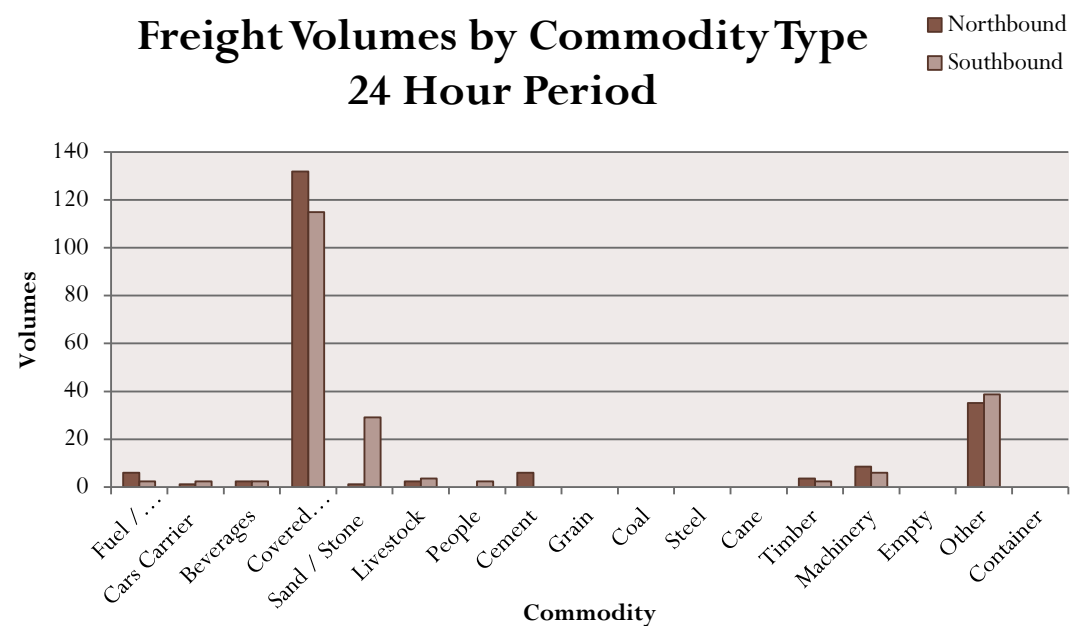
Freight Volumes by Commodity Type 12 Hour Period



Matatiele (R56 Matatiele to Kokstad)

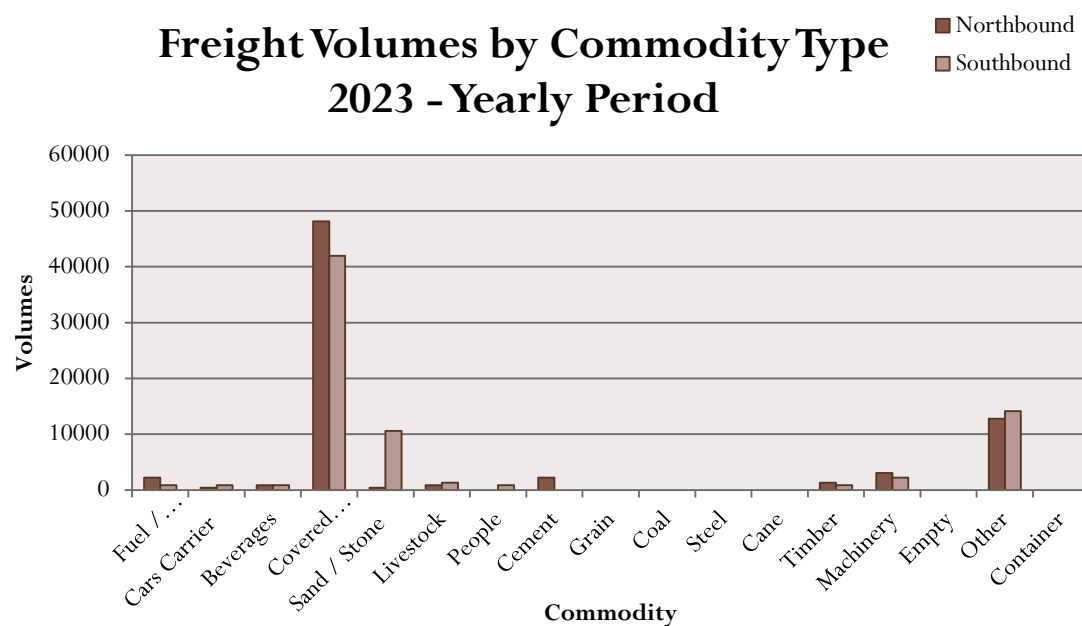
Date: 26-10-2023

Freight Volumes by Commodity Type 24 Hour Period



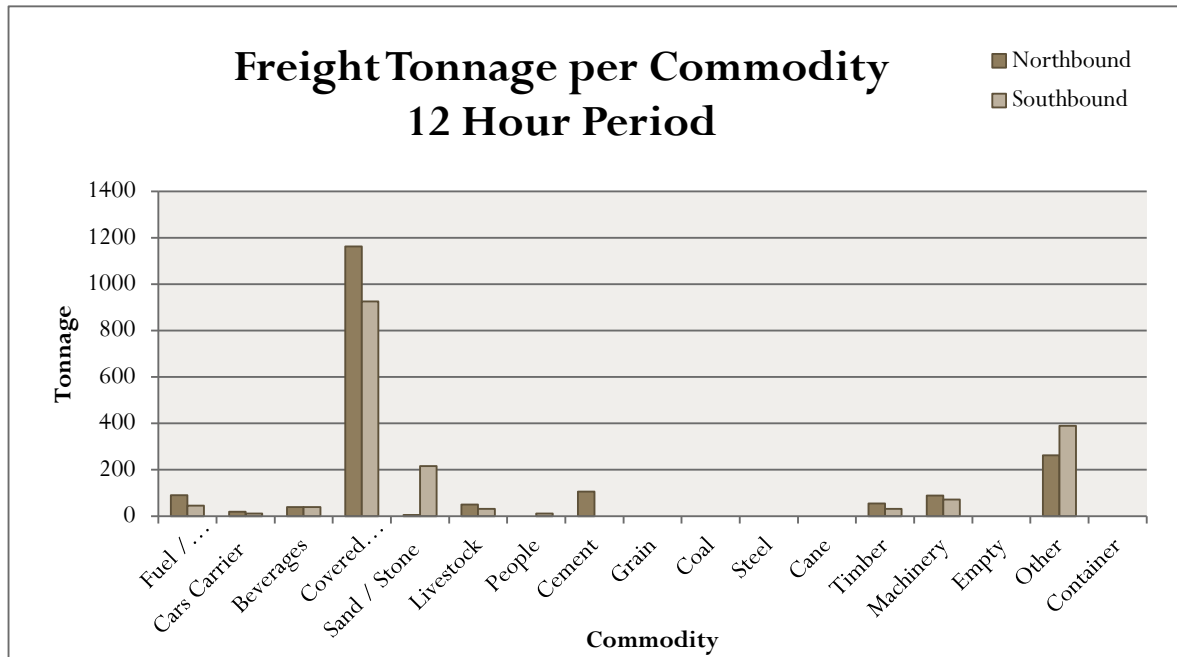
Matatiele (R56 Matatiele to Kokstad)

Freight Volumes by Commodity Type 2023 - Yearly Period



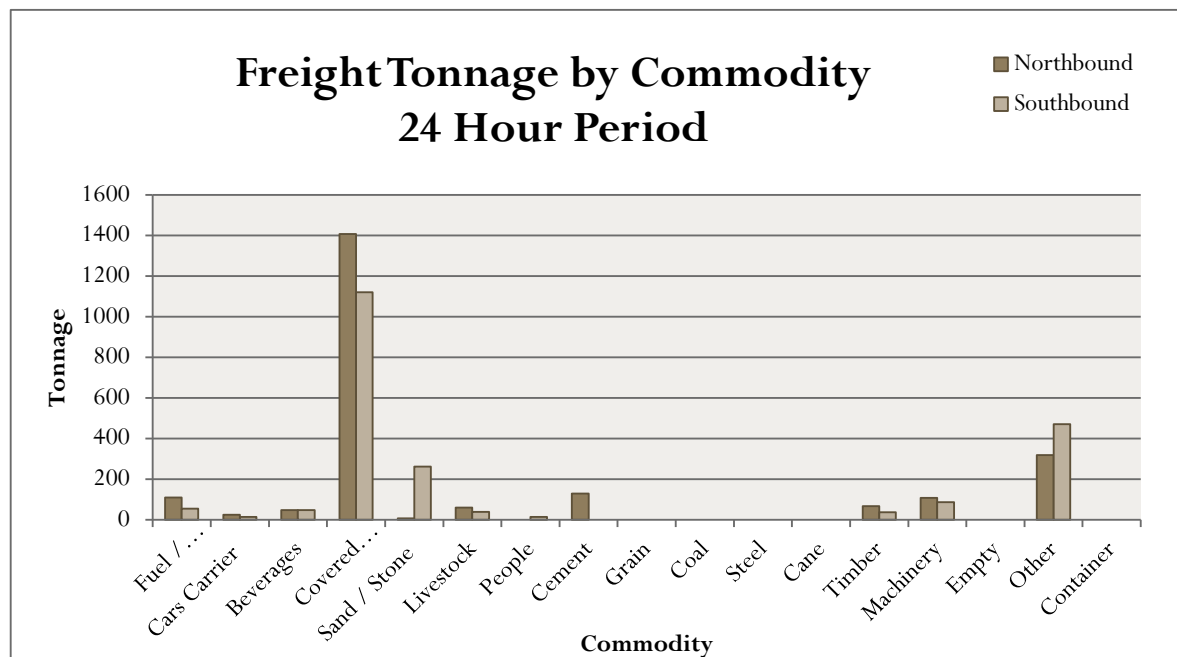
Matatiele (R56 Matatiele to Kokstad)

Date: 26-10-2023

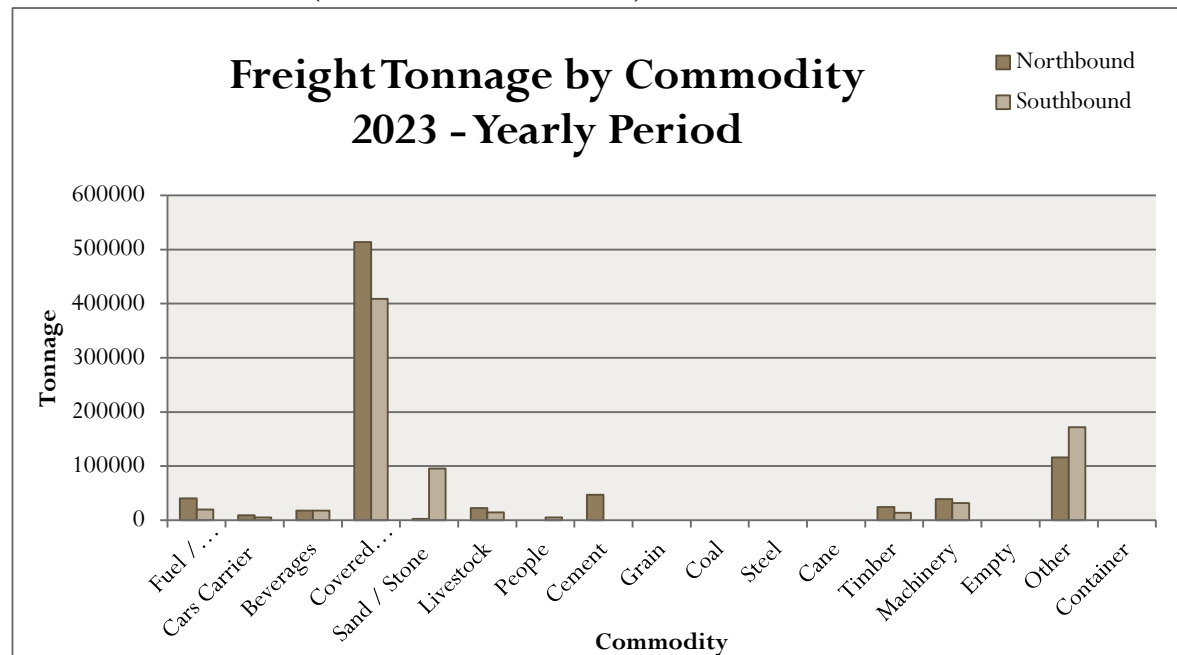


Matatiele (R56 Matatiele to Kokstad)

Date: 26-10-2023



Matatiele (R56 Matatiele to Kokstad)



Matatiele (R56 Matatiele to Kokstad)													
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	60	25	91	Fuel / Chemicals	0	0	0	20	25	45
Cars Carrier	0	0	0	20	0	20	Cars Carrier	12	0	0	0	0	12
Beverages	0	0	0	40	0	40	Beverages	0	0	0	40	0	40
Covered Load / Sail or Tarp	468	10	15	220	450	1163	Covered Load / Sail or Tarp	426	20	45	160	275	926
Sand / Stone	6	0	0	0	0	6	Sand / Stone	96	40	0	80	0	216
Livestock	0	0	0	0	50	50	Livestock	12	0	0	20	0	32
People	0	0	0	0	0	0	People	12	0	0	0	0	12
Cement	6	0	0	0	100	106	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	0	0	0	0	0	0	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	10	0	20	25	55	Timber	6	0	0	0	25	31
Machinery	24	0	0	40	25	89	Machinery	12	0	0	60	0	72
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	138	10	0	40	75	263	Other	114	0	15	160	100	389
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Matatiele (R56 Matatiele to Kokstad)													
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	73	30	110	Fuel / Chemicals	0	0	0	24	30	54
Cars Carrier	0	0	0	24	0	24	Cars Carrier	15	0	0	0	0	15
Beverages	0	0	0	48	0	48	Beverages	0	0	0	48	0	48
Covered Load / Sail or Tarp	566	12	18	266	545	1407	Covered Load / Sail or Tarp	515	24	54	194	333	1120
Sand / Stone	7	0	0	0	0	7	Sand / Stone	116	48	0	97	0	261
Livestock	0	0	0	0	61	61	Livestock	15	0	0	24	0	39
People	0	0	0	0	0	0	People	15	0	0	0	0	15
Cement	7	0	0	0	121	128	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	0	0	0	0	0	0	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	12	0	24	30	67	Timber	7	0	0	0	30	38
Machinery	29	0	0	48	30	108	Machinery	15	0	0	73	0	87
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	167	12	0	48	91	318	Other	138	0	18	194	121	471
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Matatiele (R56 Matatiele to Kokstad)													
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	26499	11041	40190	Fuel / Chemicals	0	0	0	8833	11041	19874
Cars Carrier	0	0	0	8833	0	8833	Cars Carrier	5300	0	0	0	0	5300
Beverages	0	0	0	17666	0	17666	Beverages	0	0	0	17666	0	17666
Covered Load / Sail or Tarp	206692	4417	6625	97163	198743	513639	Covered Load / Sail or Tarp	188143	8833	19874	70664	121454	408968
Sand / Stone	2650	0	0	0	0	2650	Sand / Stone	42398	17666	0	35332	0	95396
Livestock	0	0	0	0	22083	22083	Livestock	5300	0	0	8833	0	14133
People	0	0	0	0	0	0	People	5300	0	0	0	0	5300
Cement	2650	0	0	0	44165	46815	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	0	0	0	0	0	0	Steel	0	0	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	4417	0	8833	11041	24291	Timber	2650	0	0	0	11041	13691
Machinery	10600	0	0	17666	11041	39307	Machinery	5300	0	0	26499	0	31799
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	60948	4417	0	17666	33124	116154	Other	50348	0	6625	70664	44165	171802
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Matatiele (R56 Matatiele to Kokstad)													
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						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

Matatiele (R56 Matatiele to Kokstad)													
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	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

Matatiele (R56 Matatiele to Kokstad)													
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