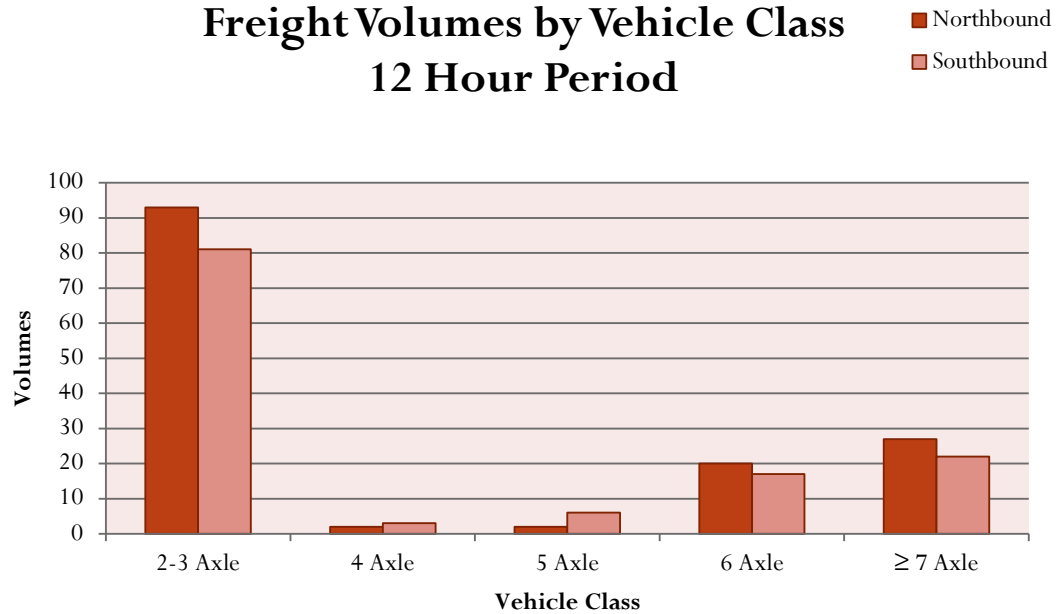


TRAFFIC HIGHLIGHTS OF SITE V8457				
1.1	Site Identifier	V8457		
1.2	Site Name	P22-1 Station 10		
1.3	Site Description	Segment 10		
1.4	Road Description	Route : Road : P22-1 Section : Distance : 0.0km		
1.5	GPS Position	30 26 05.0E -30 16 38.9S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary		
1.8	Requested Period	2020/10/25 - 2020/11/02		
1.9	Length of record requested (hours)	216		
1.10	Actual First & Last Dates	2020/10/25 - 2020/11/02		
1.11	Actual available good data (hours)	187		
1.12	Percentage good data available for requested period	86.8		
		To Park Rynie	To High Flats	Total
2.1a	Total number of vehicles (counted)	11568	11352	22920
2.1b	Total number of vehicles (projected for period)	13330	13081	26410
2.2	Average daily traffic (ADT)	1481	1453	2934
2.3	Average daily truck traffic (ADTT)	195	192	386
2.4	Percentage of trucks	13.1	13.2	13.2
2.5	Truck split % (short:medium:long)	39 : 4 : 57	38 : 8 : 54	38 : 6 : 56
2.6	Percentage of night traffic (20:00 - 06:00)	11.8	12.4	12.1
3.1	Speed limit (km/hr)			80
3.2	Average speed (km/hr)	72.5	72.8	72.6
3.3	Average speed - light vehicles (km/hr)	73.7	74.7	74.2
3.4	Average speed - heavy vehicles (km/hr)	64.4	60.1	62.3
3.5	Average night speed (km/hr)	65.6	67.3	66.5
3.6	15th centile speed (km/hr)	53.8	53.7	53.8
3.7	85th centile speed (km/hr)	91.9	89.9	91.9
3.8	Percentage vehicles in excess of speed limit	36.0	35.5	35.8
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)		2020/11/01 17:00:00	328
4.3	Highest volume in the East (vehs/hr)		2020/11/01 18:00:00	220
4.4	Highest volume in the West (vehs/hr)		2020/11/02 08:00:00	188
4.5	Highest volume in a lane (vehicles/hr)		2020/11/01 18:00:00	220
4.6	15th highest volume on the road (vehicles/hr)		2020/10/31 11:00:00	246
4.7	15th highest volume in the East direction (vehs/hr)		2020/10/26 14:00:00	123
4.8	15th highest volume in the West direction (vehs/hr)		2020/10/31 10:00:00	125
4.9	30th highest volume on the road (vehicles/hr)		2020/10/30 12:00:00	215
4.10	30th highest volume in the East direction (vehs/hr)		2020/10/31 15:00:00	106
4.11	30th highest volume in the West direction (vehs/hr)		2020/11/01 14:00:00	104
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	1751	1726	3478
6.2	Estimated average number of axles per truck	5.0	5.0	5.0
6.3	Estimated truck mass (Ton/truck)	28.2	28.2	28.2
6.4	Estimated average E80/truck	1.5	1.6	1.6
6.5	Estimated daily E80 on the road			599
6.6	Estimated daily E80 in the East direction			299
6.7	Estimated daily E80 in the West direction			300
6.8	Estimated daily E80 in the worst East lane			299
6.9	Estimated daily E80 in the worst West lane			300
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)

Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023

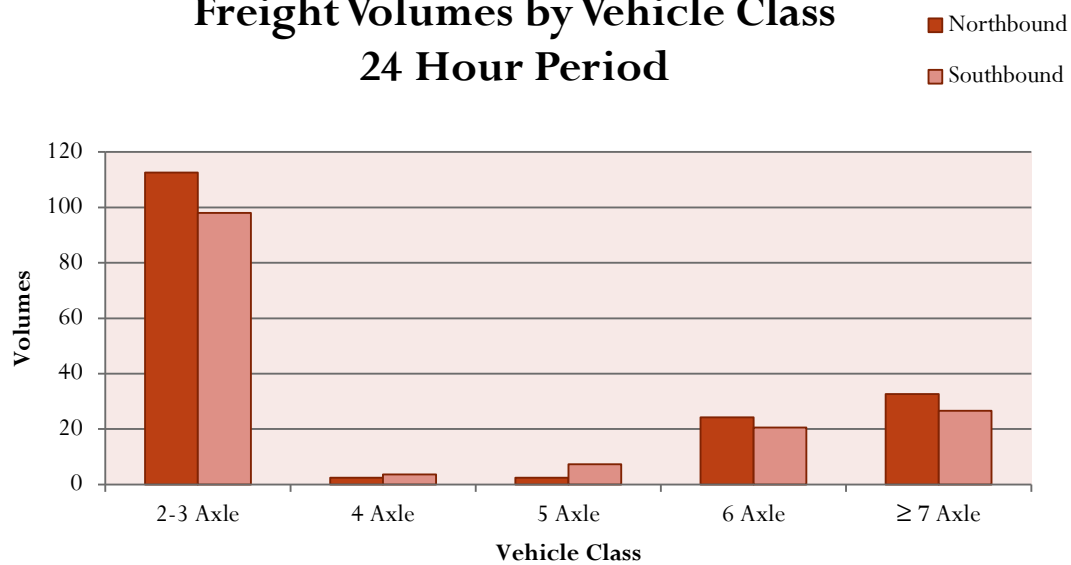
### Freight Volumes by Vehicle Class 12 Hour Period



Ixopo (R612 Ixopo to Umzinto)

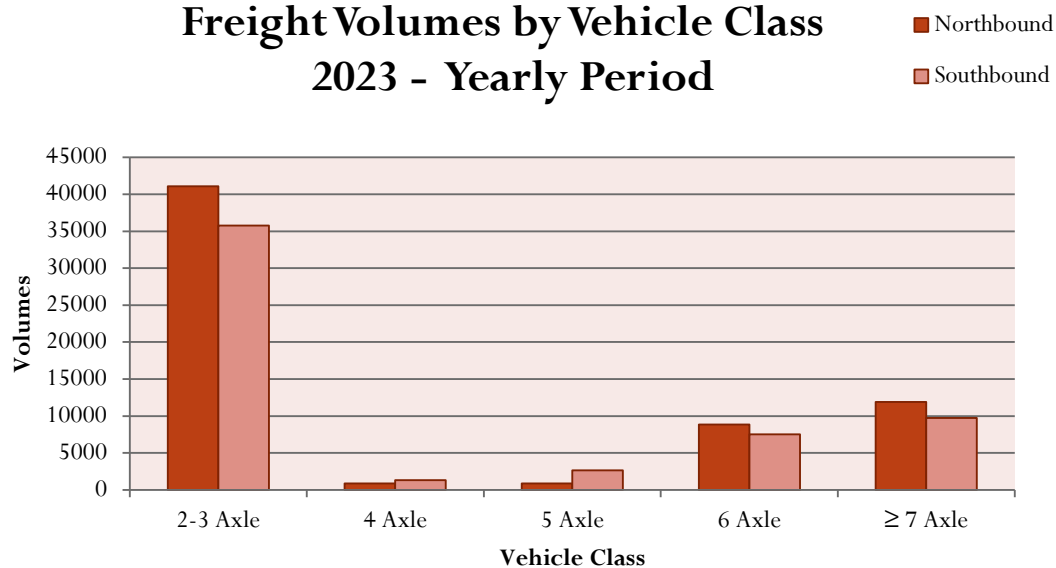
Date: 29-08-2023

### Freight Volumes by Vehicle Class 24 Hour Period



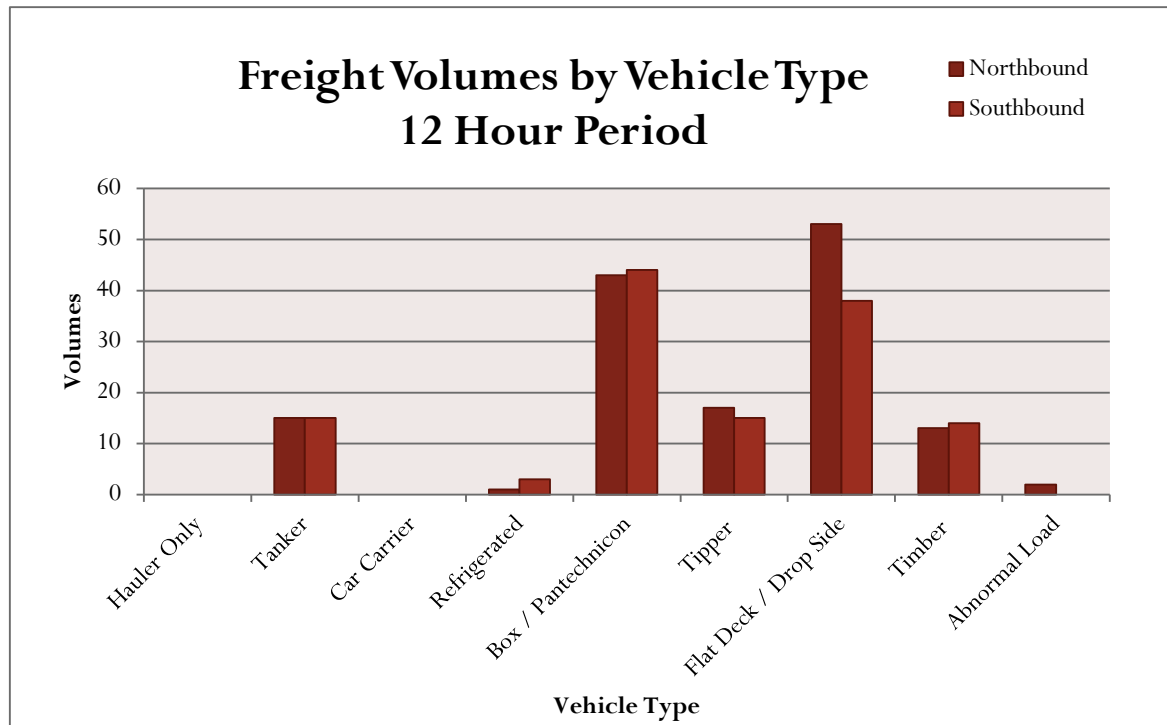
Ixopo (R612 Ixopo to Umzinto)

### Freight Volumes by Vehicle Class 2023 - Yearly Period



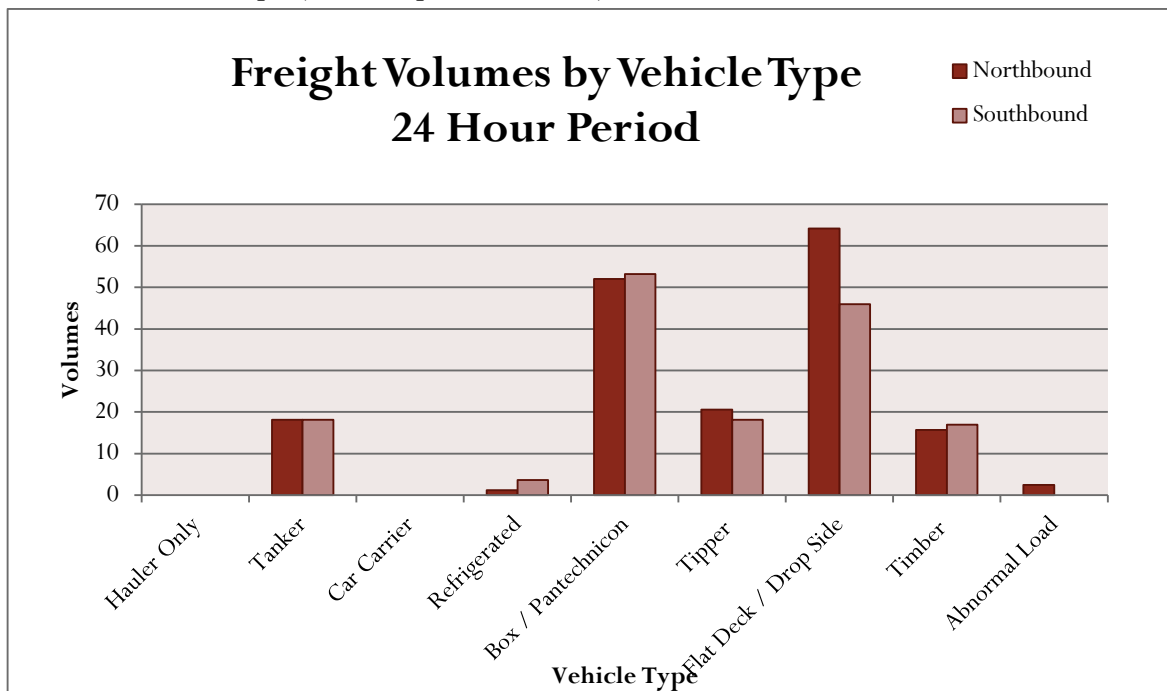
Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023

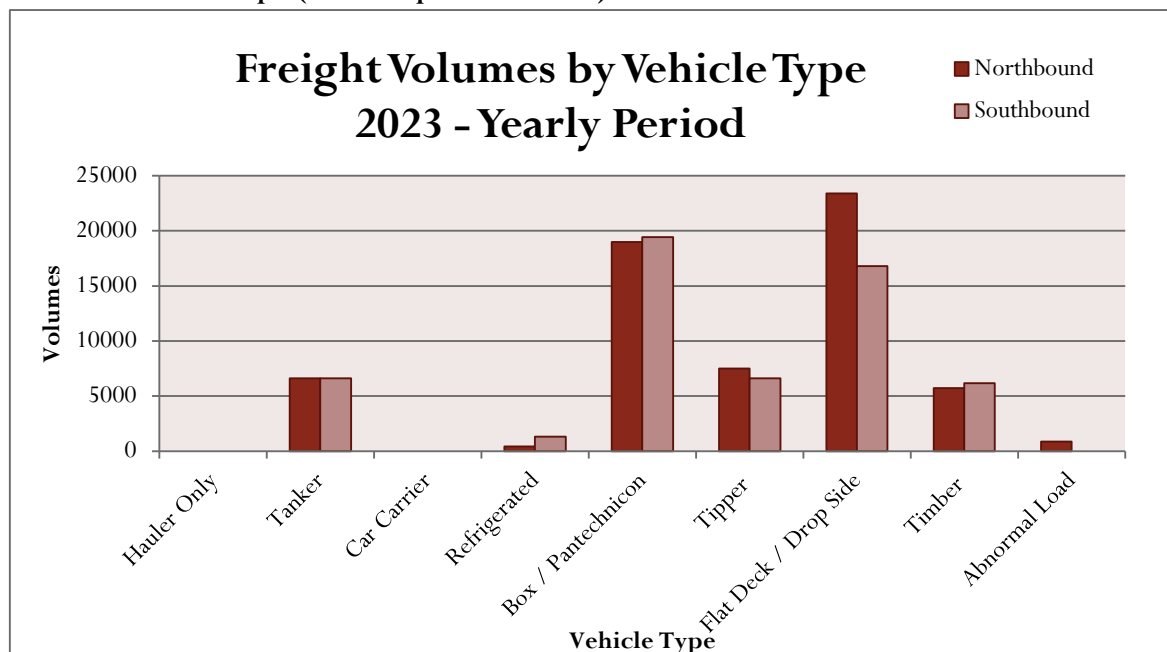


Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023



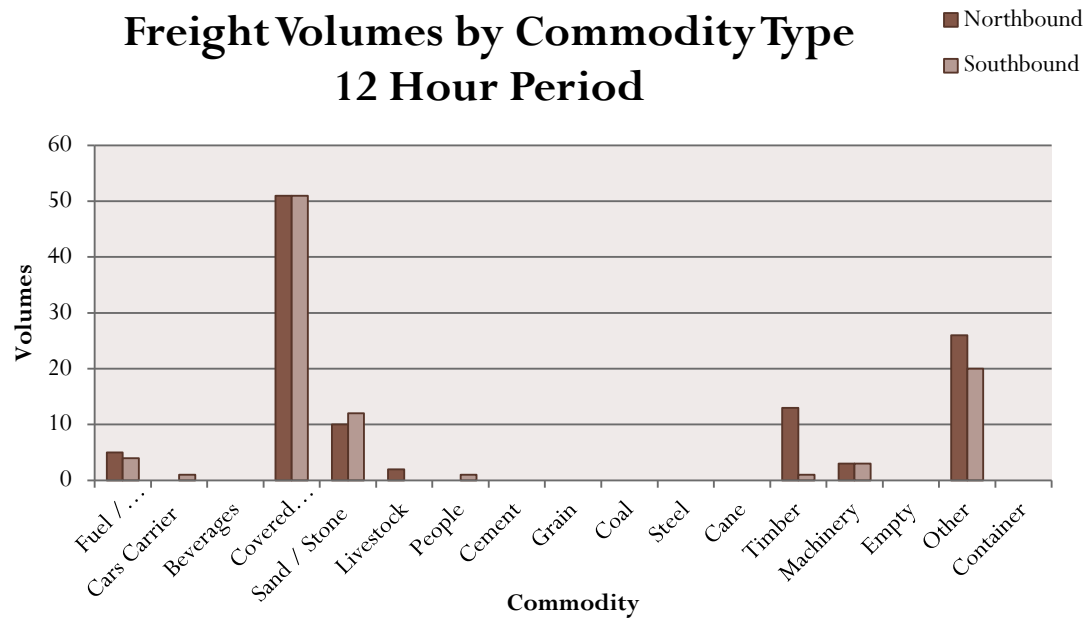
Ixopo (R612 Ixopo to Umzinto)



Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023

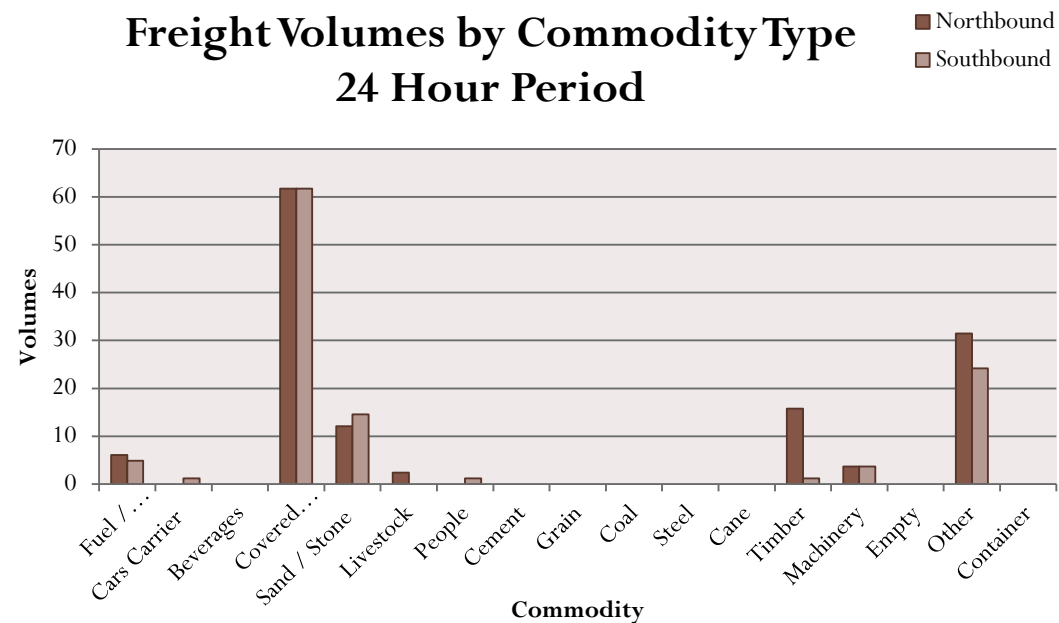
### Freight Volumes by Commodity Type 12 Hour Period



Ixopo (R612 Ixopo to Umzinto)

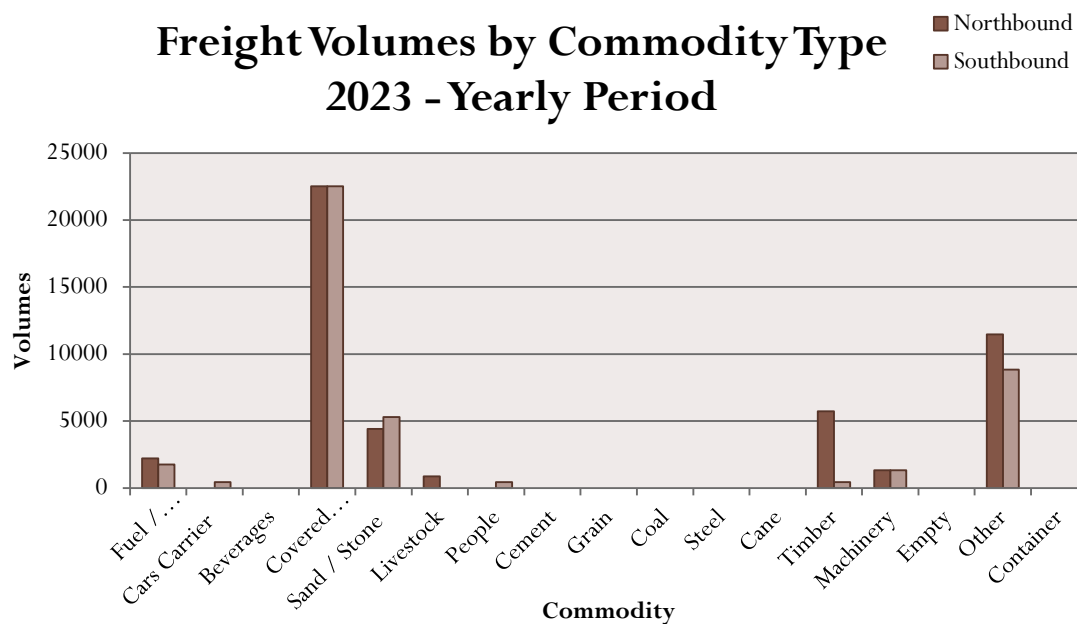
Date: 29-08-2023

### Freight Volumes by Commodity Type 24 Hour Period



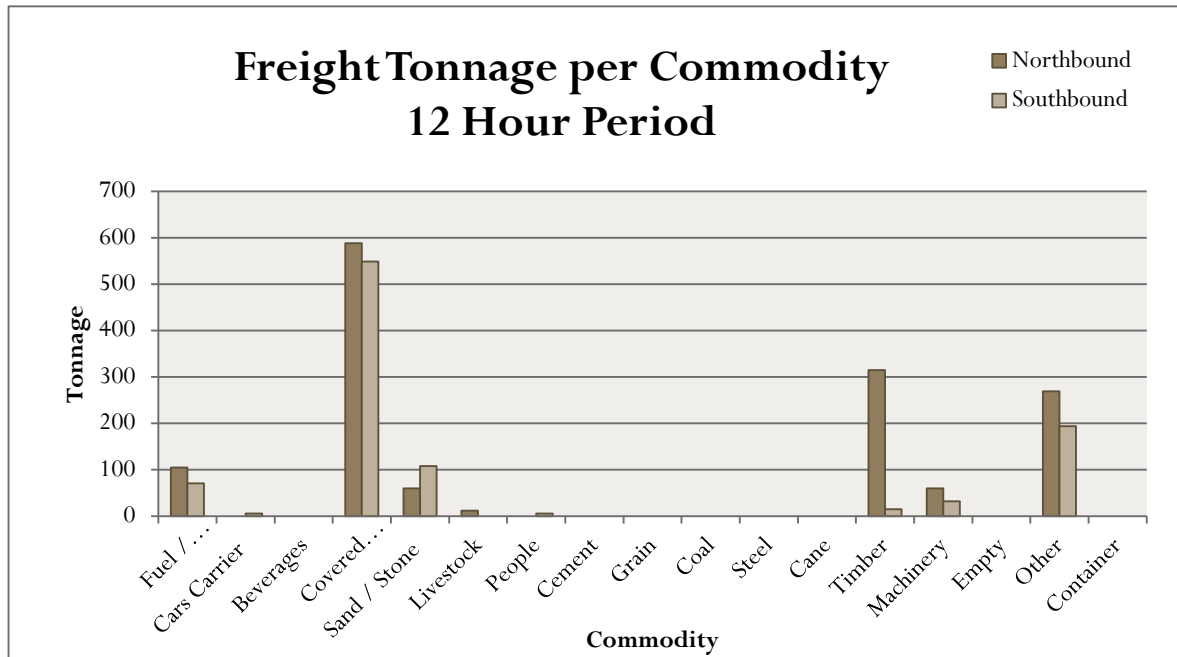
Ixopo (R612 Ixopo to Umzinto)

### Freight Volumes by Commodity Type 2023 - Yearly Period



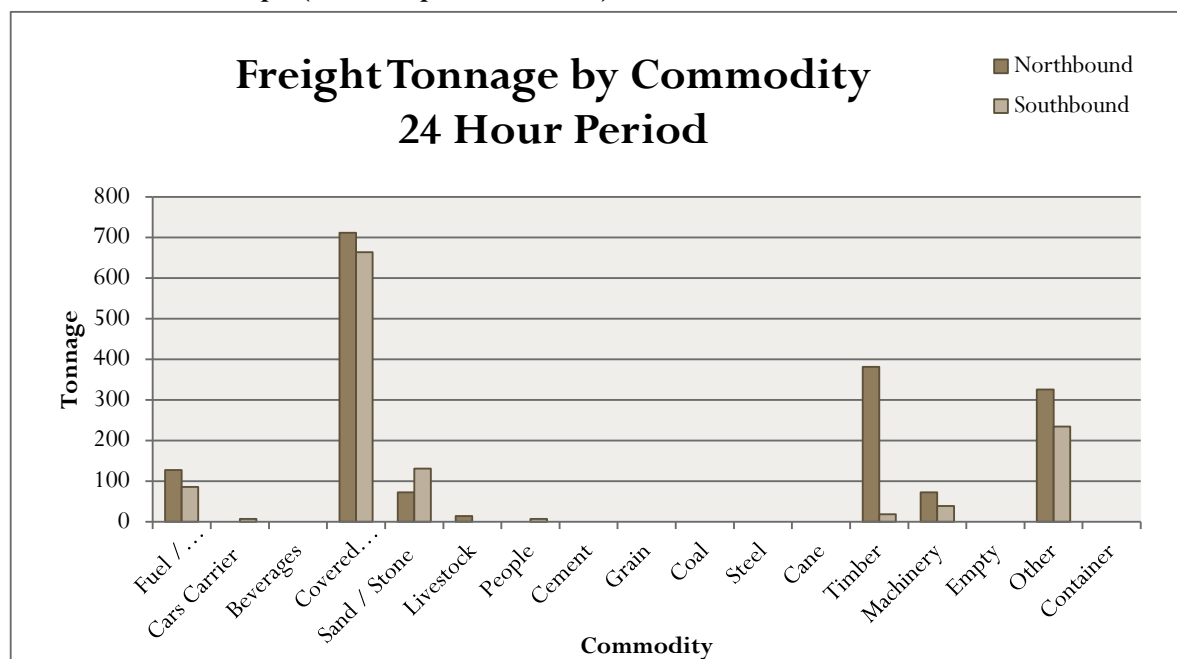
Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023

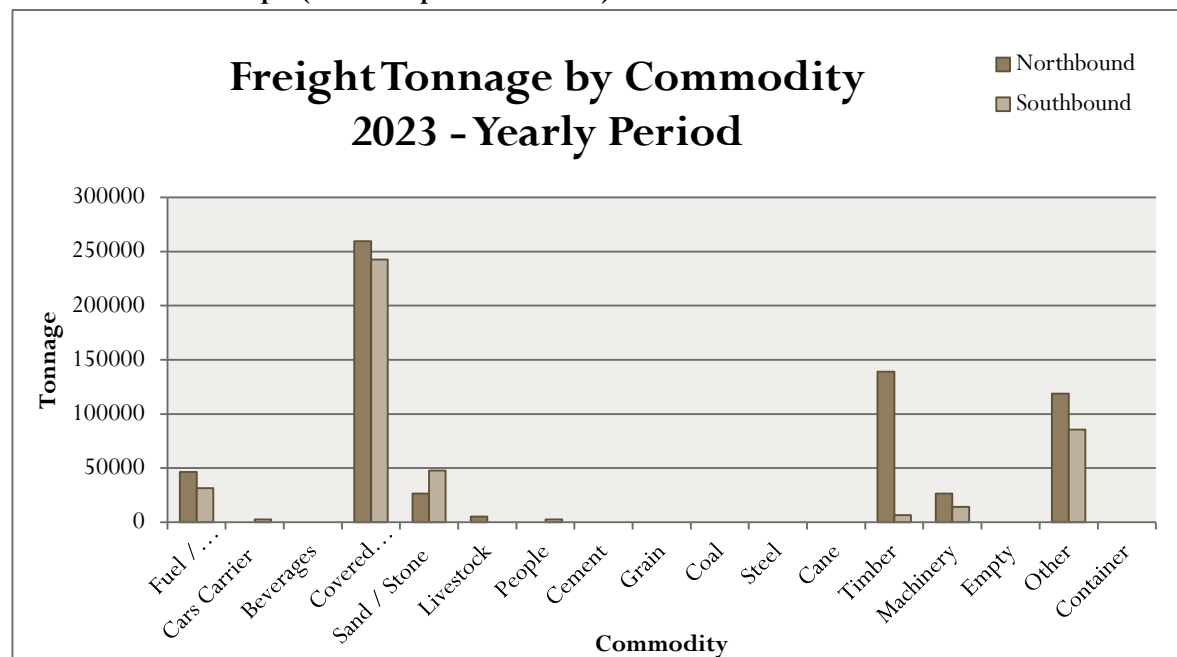


Ixopo (R612 Ixopo to Umzinto)

Date: 29-08-2023



Ixopo (R612 Ixopo to Umzinto)



Ixopo (R612 Ixopo to Umzinto)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)													Date: 29-08-2023
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	0	0	0	80	25	105	Fuel / Chemicals	6	0	0	40	25	71
Cars Carrier	0	0	0	0	0	0	Cars Carrier	6	0	0	0	0	6
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	198	10	15	140	225	588	Covered Load / Sail or Tarp	204	0	60	160	125	549
Sand / Stone	60	0	0	0	0	60	Sand / Stone	48	20	0	40	0	108
Livestock	12	0	0	0	0	12	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	6	0	0	0	0	6
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	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	0	0	40	275	315	Timber	0	0	15	0	0	15
Machinery	0	0	0	60	0	60	Machinery	12	0	0	20	0	32
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	114	10	0	20	125	269	Other	84	10	15	60	25	194
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Ixopo (R612 Ixopo to Umzinto)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 29-08-2023	
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	0	0	0	97	30	127	Fuel / Chemicals	7	0	0	48	30	86
Cars Carrier	0	0	0	0	0	0	Cars Carrier	7	0	0	0	0	7
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	240	12	18	169	272	711	Covered Load / Sail or Tarp	247	0	73	194	151	664
Sand / Stone	73	0	0	0	0	73	Sand / Stone	58	24	0	48	0	131
Livestock	15	0	0	0	0	15	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	7	0	0	0	0	7
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	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	0	0	48	333	381	Timber	0	0	18	0	0	18
Machinery	0	0	0	73	0	73	Machinery	15	0	0	24	0	39
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	138	12	0	24	151	325	Other	102	12	18	73	30	235
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Ixopo (R612 Ixopo to Umzinto)													
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	0	0	0	35332	11041	46373	Fuel / Chemicals	2650	0	0	17666	11041	31357
Cars Carrier	0	0	0	0	0	0	Cars Carrier	2650	0	0	0	0	2650
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	87447	4417	6625	61831	99371	259690	Covered Load / Sail or Tarp	90097	0	26499	70664	55206	242466
Sand / Stone	26499	0	0	0	0	26499	Sand / Stone	21199	8833	0	17666	0	47698
Livestock	5300	0	0	0	0	5300	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	2650	0	0	0	0	2650
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	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	0	0	17666	121454	139120	Timber	0	0	6625	0	0	6625
Machinery	0	0	0	26499	0	26499	Machinery	5300	0	0	8833	0	14133
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	50348	4417	0	8833	55206	118804	Other	37099	4417	6625	26499	11041	85680
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Ixopo (R612 Ixopo to Umzinto)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 29-08-2023	
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

Ixopo (R612 Ixopo to Umzinto)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 29-08-2023	
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

Ixopo (R612 Ixopo to Umzinto)													
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