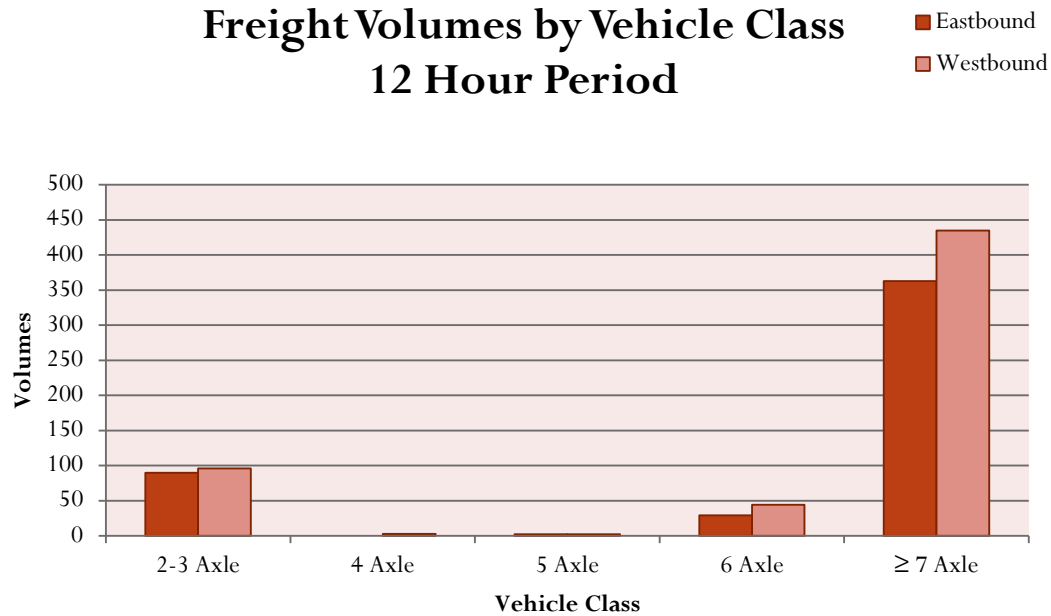
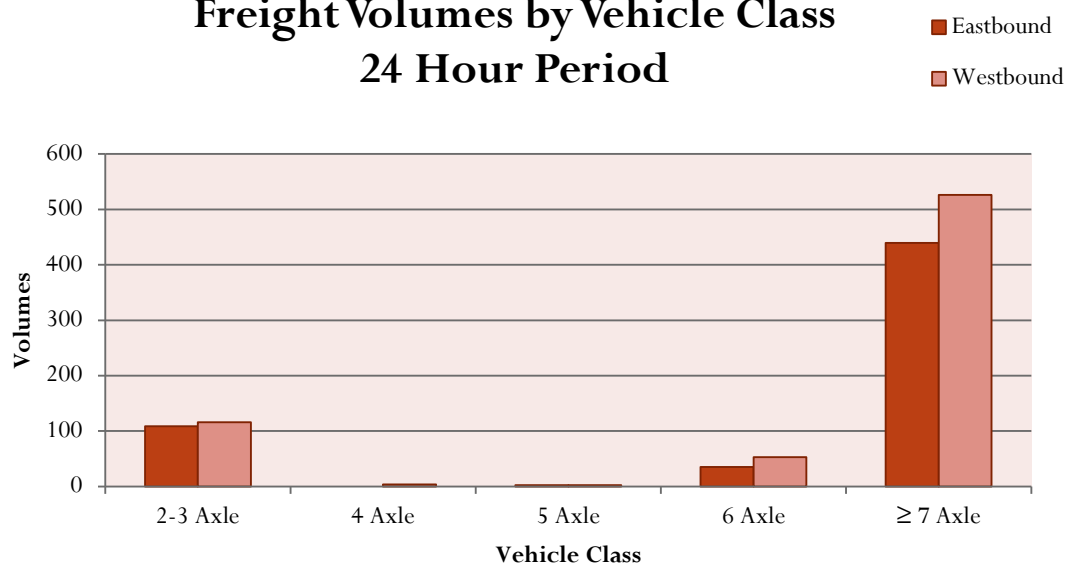


TRAFFIC HIGHLIGHTS OF SITE 380			
1.1	Site Identifier	380	
1.2	Site Name	Pongola	
1.3	Site Description	Between Piet Retief and Pongola	
1.4	Road Description	Route : N002 Road : N002 Section : 32 Distance : 44.3km	
1.5	GPS Position	31 35 43.0E -27 22 51.0S	
1.6	Number of Lanes	2	
1.7	Station Type	Secondary	
1.8	Requested Period	2023/02/16 - 2023/03/02	
1.9	Length of record requested (hours)	360	
1.10	Actual First & Last Dates	2023/02/24 - 2023/02/24	
1.11	Actual available good data (hours)	0	
1.12	Percentage good data available for requested period	0.1	
		To Piet Retief	To Pongola
2.1a	Total number of vehicles (counted)	100	102
2.1b	Total number of vehicles (projected for period)	128000	130560
2.2	Average daily traffic (ADT)	8533	8704
2.3	Average daily truck traffic (ADTT)	2048	512
2.4	Percentage of trucks	24.0	5.9
2.5	Truck split % (short:medium:long)	25 : 4 : 71	33 : 0 : 67
2.6	Percentage of night traffic (20:00 - 06:00)	0.0	0.0
3.1	Speed limit (km/hr)	120	
3.2	Average speed (km/hr)	67.9	64.0
3.3	Average speed - light vehicles (km/hr)	70.4	64.9
3.4	Average speed - heavy vehicles (km/hr)	60.0	49.3
3.5	Average night speed (km/hr)	0.0	0.0
3.6	15th centile speed (km/hr)	55.4	53.5
3.7	85th centile speed (km/hr)	81.9	73.9
3.8	Percentage vehicles in excess of speed limit	0.0	0.0
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)	2023/02/24 14:00:00	
4.3	Highest volume in the North (vehs/hr)	2023/02/24 14:00:00	
4.4	Highest volume in the South (vehs/hr)	2023/02/24 14:00:00	
4.5	Highest volume in a lane (vehicles/hr)	2023/02/24 14:00:00	
4.6	15th highest volume on the road (vehicles/hr)		
4.7	15th highest volume in the North direction (vehs/hr)		
4.8	15th highest volume in the South direction (vehs/hr)		
4.9	30th highest volume on the road (vehicles/hr)		
4.10	30th highest volume in the North direction (vehs/hr)		
4.11	30th highest volume in the South direction (vehs/hr)		
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	30720	7680
6.2	Estimated average number of axles per truck	5.7	5.3
6.3	Estimated truck mass (Ton/truck)	32.2	30.2
6.4	Estimated average E80/truck	1.7	1.6
6.5	Estimated daily E80 on the road	4386	
6.6	Estimated daily E80 in the North direction	3567	
6.7	Estimated daily E80 in the South direction	819	
6.8	Estimated daily E80 in the worst North lane	3567	
6.9	Estimated daily E80 in the worst South lane	819	
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)	

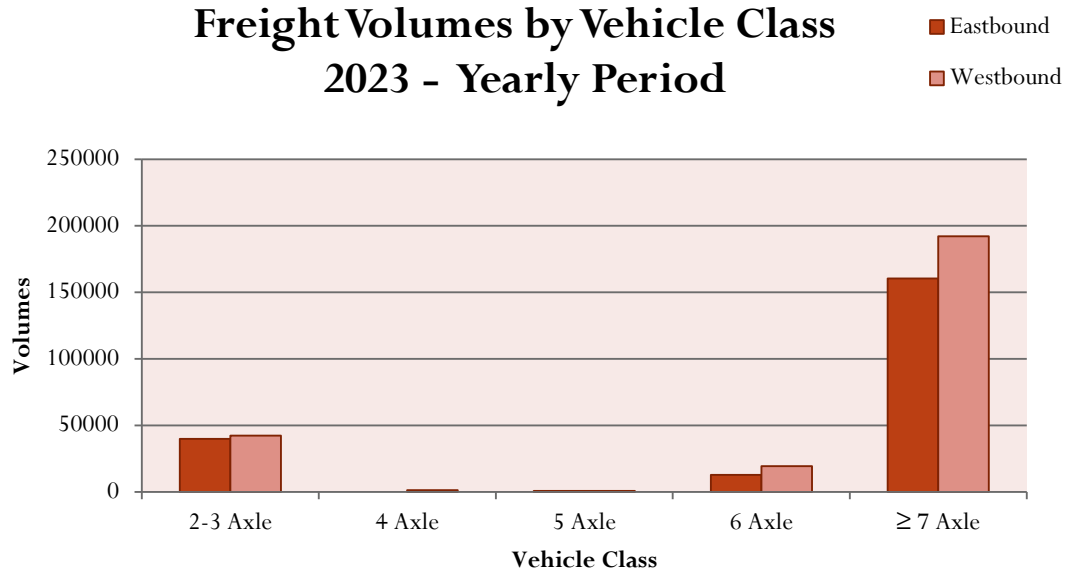
Freight Volumes by Vehicle Class 12 Hour Period

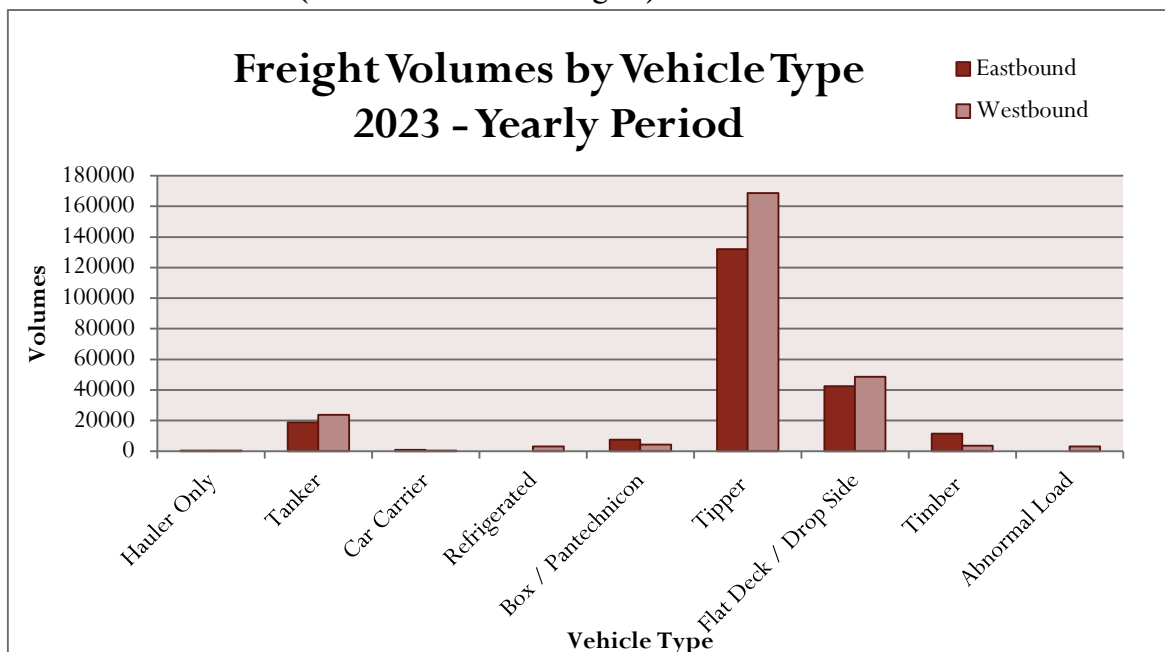
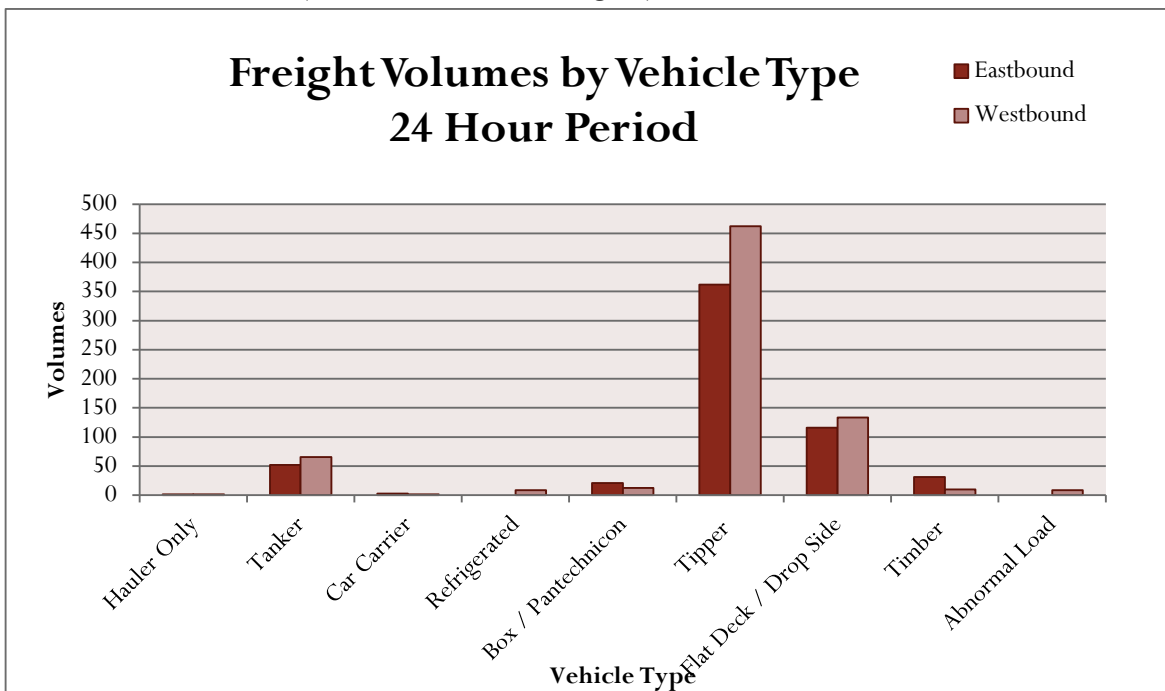
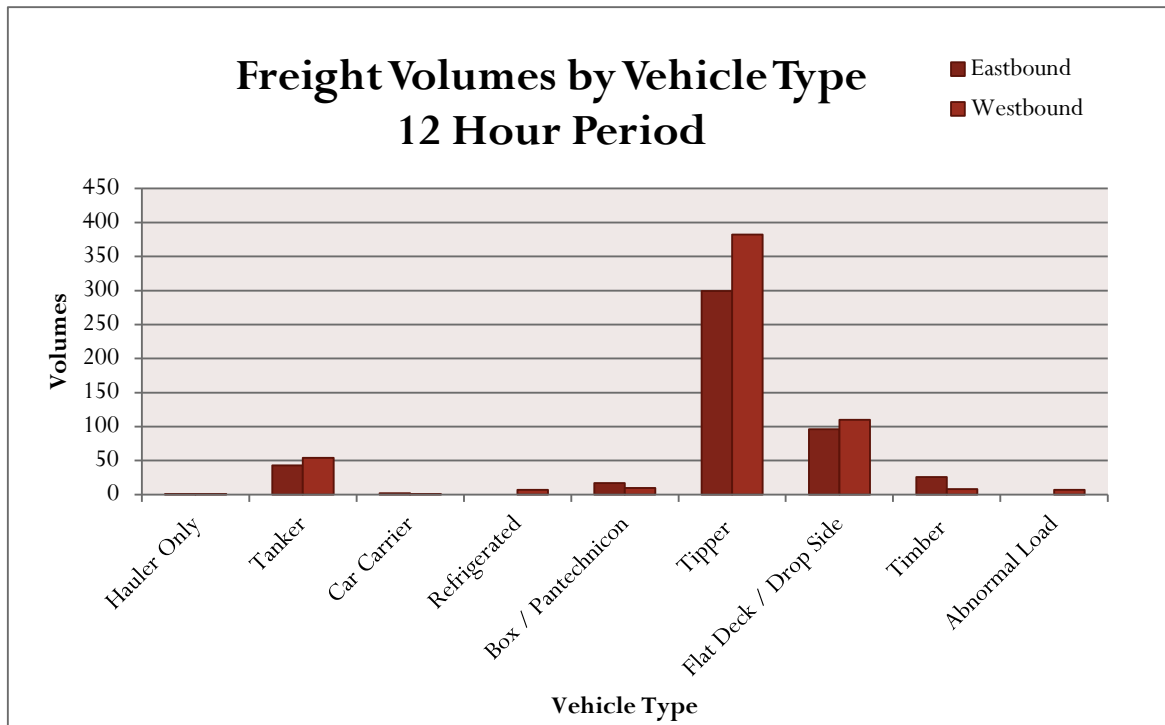


Freight Volumes by Vehicle Class 24 Hour Period

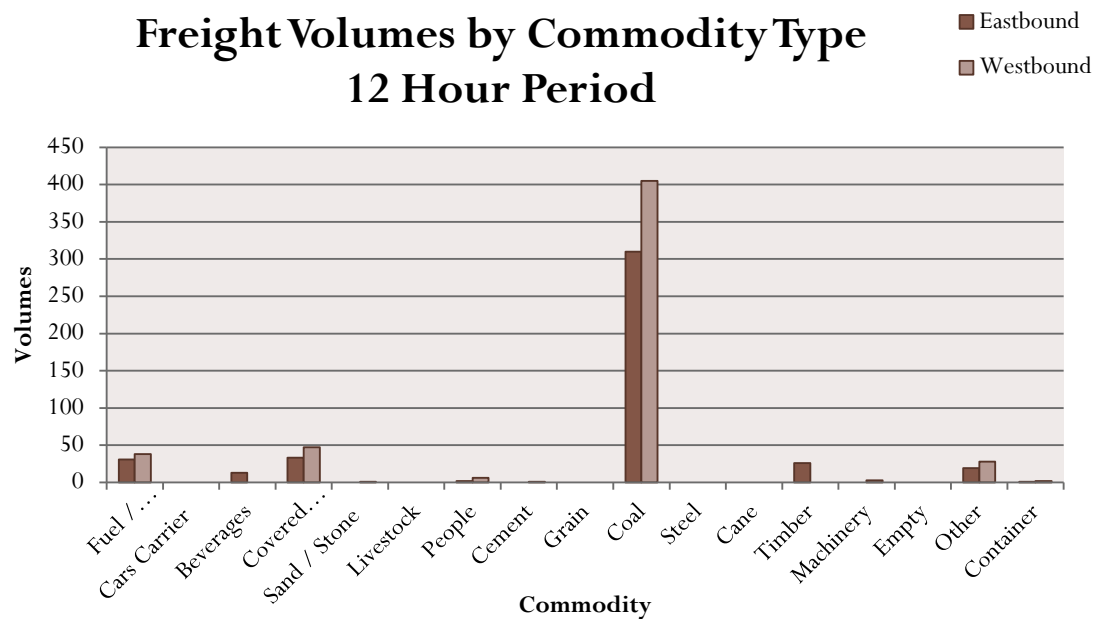


Freight Volumes by Vehicle Class 2023 - Yearly Period

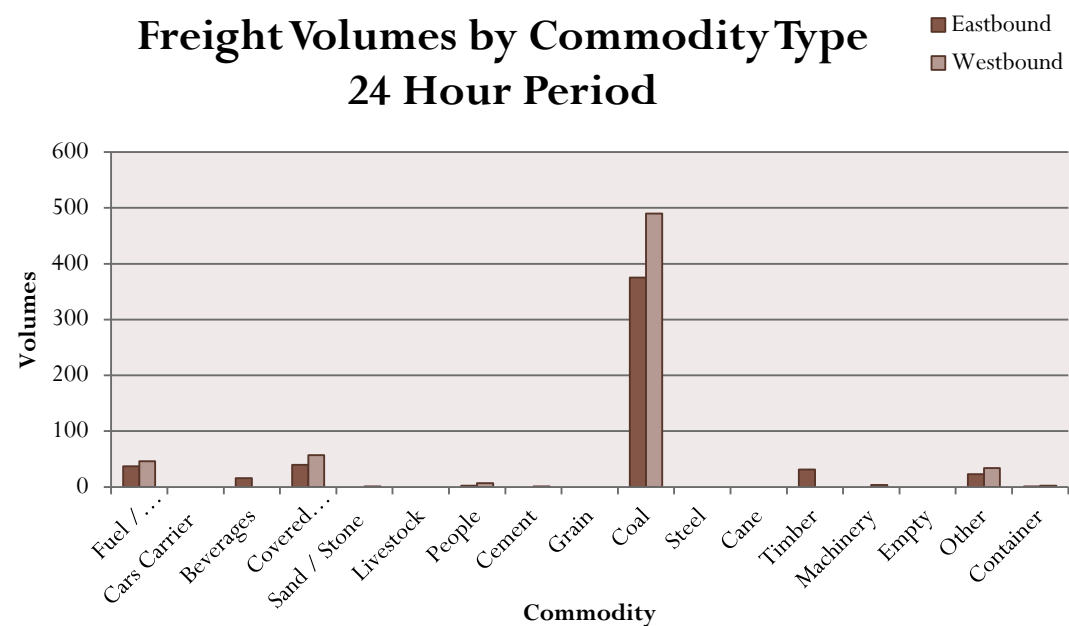




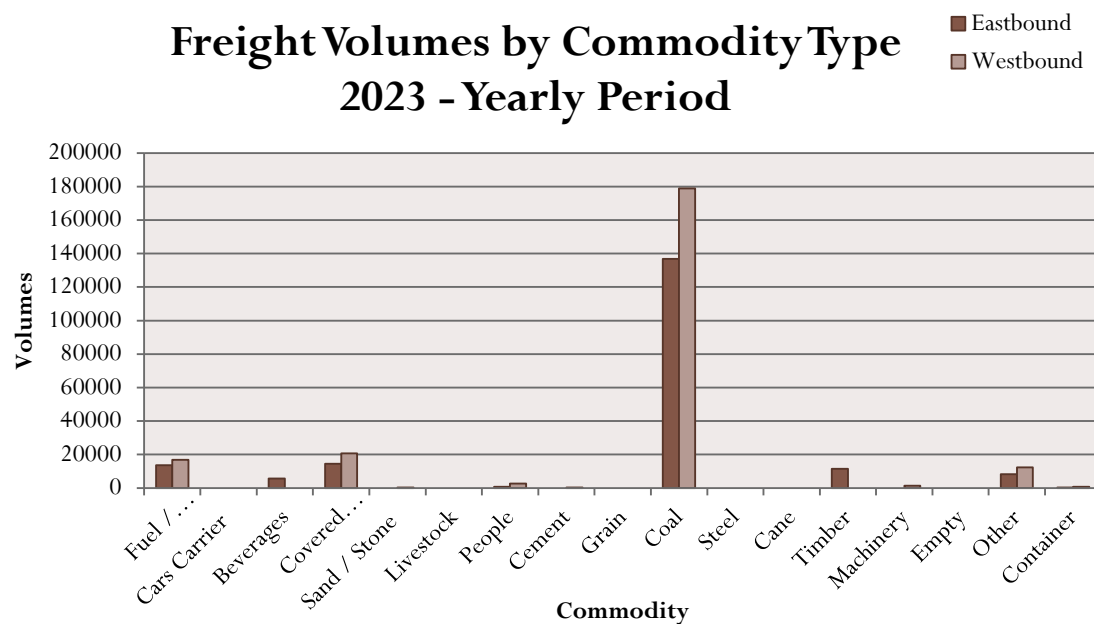
Freight Volumes by Commodity Type 12 Hour Period



Freight Volumes by Commodity Type 24 Hour Period

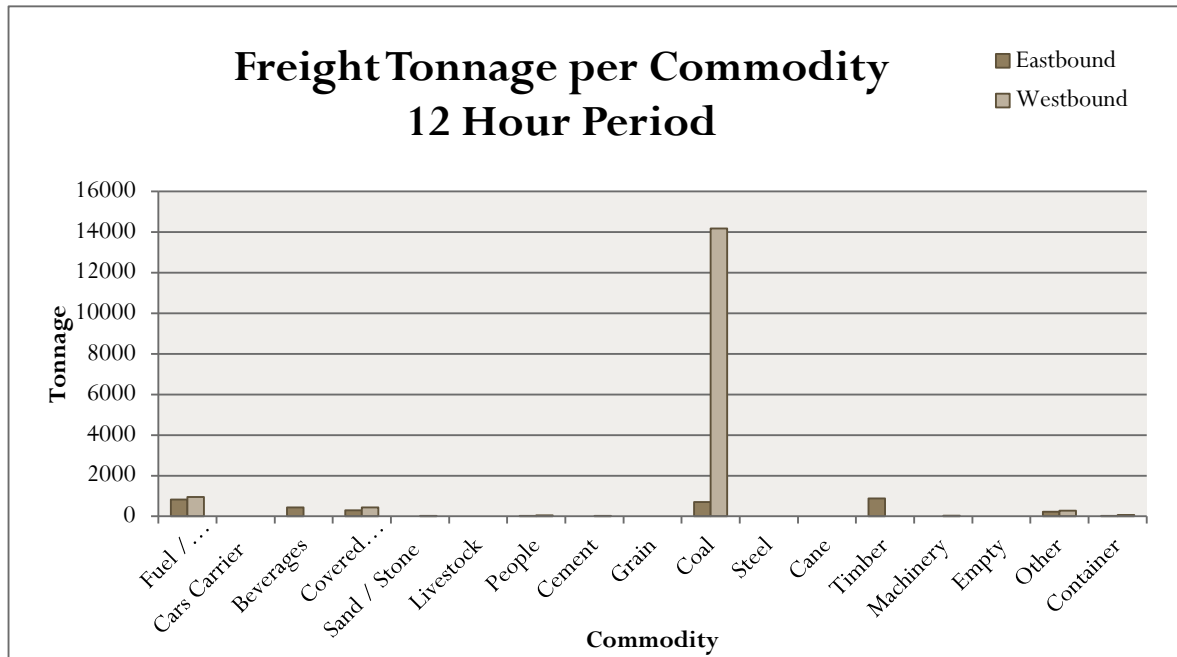


Freight Volumes by Commodity Type 2023 - Yearly Period



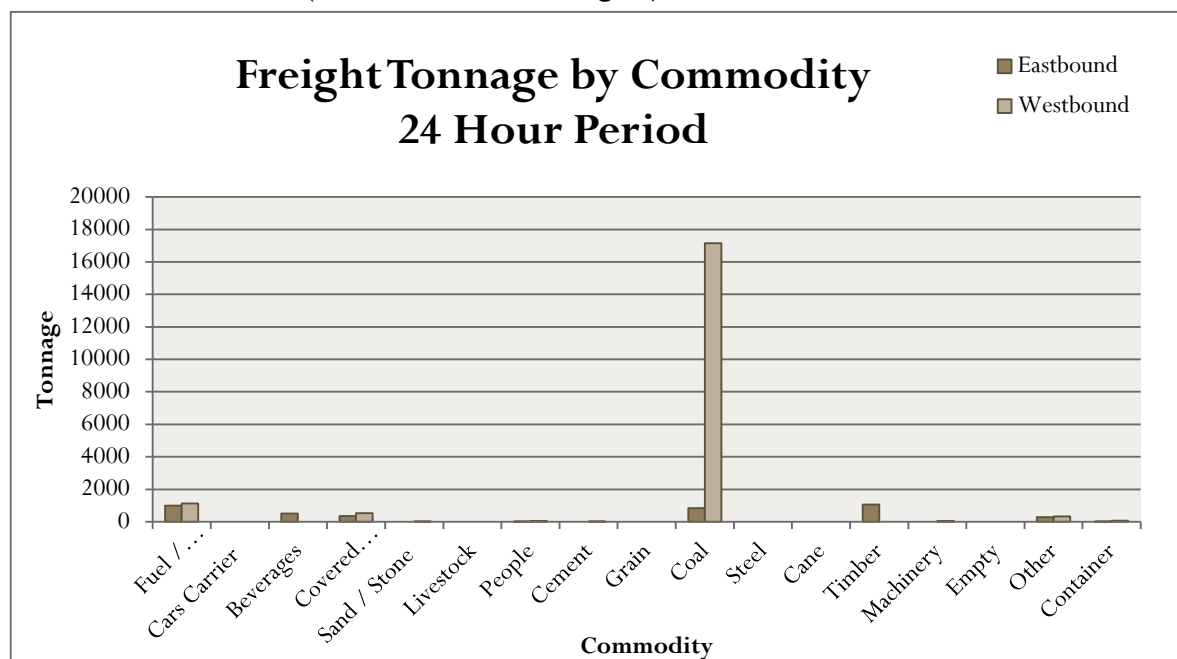
Piet Retief (N002 Piet Retief to Pongola)

Date: 28-09-2023

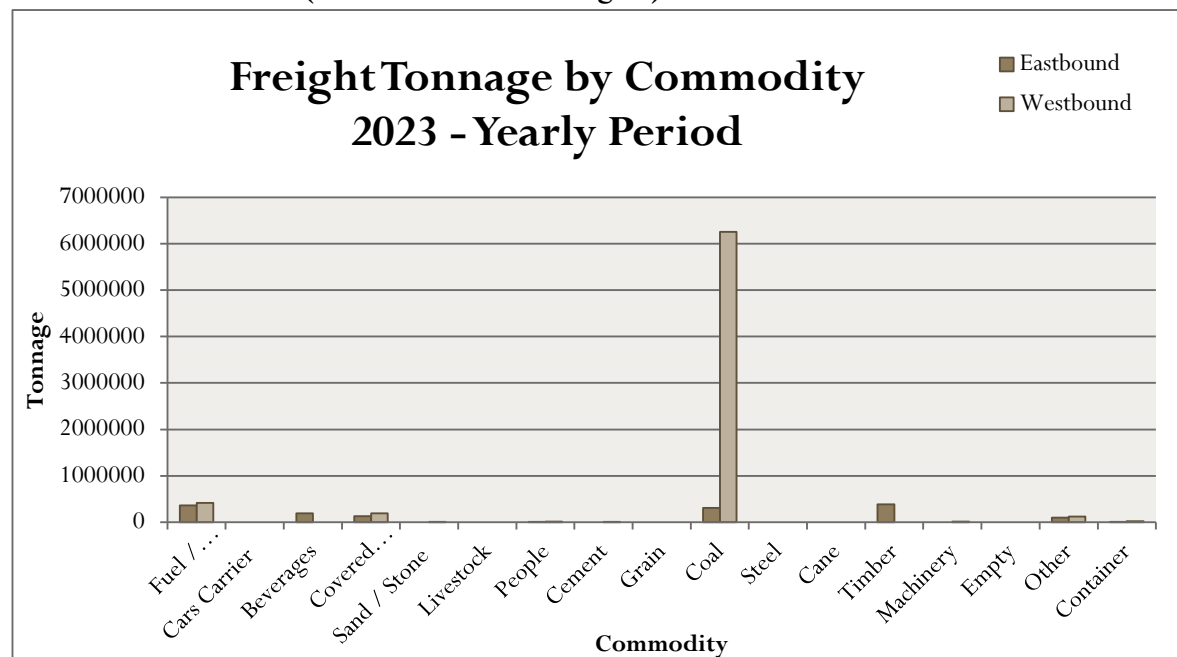


Piet Retief (N002 Piet Retief to Pongola)

Date: 28-09-2023



Piet Retief (N002 Piet Retief to Pongola)



Piet Retief (N002 Piet Retief to Pongola)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 28-09-2023	
Eaastbound							Westbound						
	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	360	455	815	Fuel / Chemicals	0	0	0	520	420	940
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	6	0	0	0	420	426	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	150	0	30	120	0	300	Covered Load / Sail or Tarp	204	20	15	200	0	439
Sand / Stone	0	0	0	0	0	0	Sand / Stone	6	0	0	0	0	6
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	12	0	0	0	0	12	People	36	0	0	0	0	36
Cement	0	0	0	0	0	0	Cement	6	0	0	0	0	6
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	700	700	Coal	0	0	0	0	14175	14175
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	0	875	875	Timber	0	0	0	0	0	0
Machinery	0	0	0	0	0	0	Machinery	12	0	0	20	0	32
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	84	0	0	40	105	229	Other	138	0	0	60	70	268
Container	6	0	0	0	0	6	Container	0	0	0	20	35	55

Piet Retief (N002 Piet Retief to Pongola)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 28-09-2023	
Eaastbound							Westbound						
	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	436	551	986	Fuel / Chemicals	0	0	0	629	508	1137
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	7	0	0	0	508	515	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	182	0	36	145	0	363	Covered Load / Sail or Tarp	247	24	18	242	0	531
Sand / Stone	0	0	0	0	0	0	Sand / Stone	7	0	0	0	0	7
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	15	0	0	0	0	15	People	44	0	0	0	0	44
Cement	0	0	0	0	0	0	Cement	7	0	0	0	0	7
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	847	847	Coal	0	0	0	0	17152	17152
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	0	1059	1059	Timber	0	0	0	0	0	0
Machinery	0	0	0	0	0	0	Machinery	15	0	0	24	0	39
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	102	0	0	48	127	277	Other	167	0	0	73	85	324
Container	7	0	0	0	0	7	Container	0	0	0	24	42	67

Piet Retief (N002 Piet Retief to Pongola)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Eaastbound							Westbound						
	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	158994	200951	359945	Fuel / Chemicals	0	0	0	229658	185493	415151
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	2650	0	0	0	185493	188143	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	66248	0	13250	52998	0	132495	Covered Load / Sail or Tarp	90097	8833	6625	88330	0	193884
Sand / Stone	0	0	0	0	0	0	Sand / Stone	2650	0	0	0	0	2650
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	5300	0	0	0	0	5300	People	15899	0	0	0	0	15899
Cement	0	0	0	0	0	0	Cement	2650	0	0	0	0	2650
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	309155	309155	Coal	0	0	0	0	6260389	6260389
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	0	386444	386444	Timber	0	0	0	0	0	0
Machinery	0	0	0	0	0	0	Machinery	5300	0	0	8833	0	14133
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	37099	0	0	17666	46373	101138	Other	60948	0	0	26499	30916	118362
Container	2650	0	0	0	0	2650	Container	0	0	0	8833	15458	24291

Piet Retief (N002 Piet Retief to Pongola)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 28-09-2023	
Eaastbound							Westbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle						0
3 Axle	1					1	3 Axle						0
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle						0	6 Axle	1					1
≥ 7 Axle						0	≥ 7 Axle		1				2
TOTAL						1	TOTAL						3

Piet Retief (N002 Piet Retief to Pongola)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 28-09-2023	
Eaastbound							Westbound						
	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	1	0	0	0	0	1	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	1	0	0	0	0	1
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	1	0	0	0	2
TOTAL						1	TOTAL						4

Piet Retief (N002 Piet Retief to Pongola)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Eaastbound							Westbound						
	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	442	0	0	0	0	442	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	442	0	0	0	0	442
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	442	0	0	0	883
TOTAL						442	TOTAL						1325