

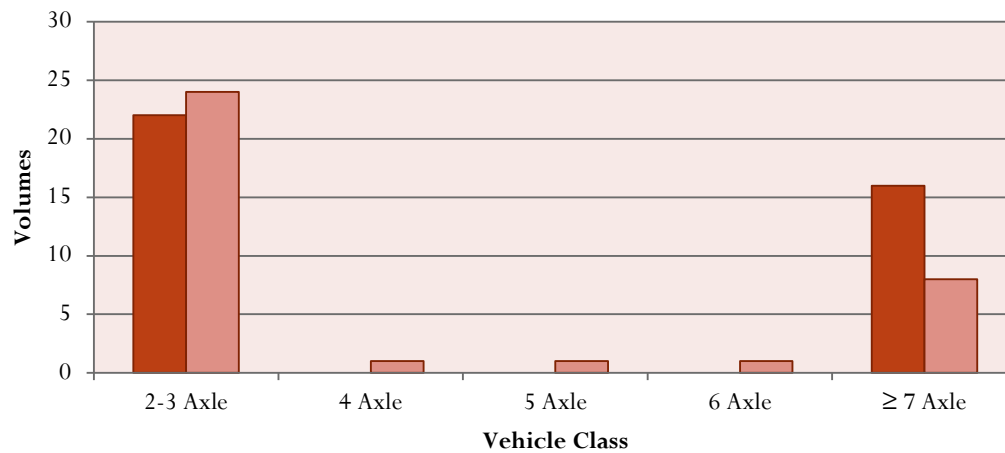
TRAFFIC HIGHLIGHTS OF SITE Z250065				
1.1	Site Identifier	Z250065		
1.2	Site Name	P49-1		
1.3	Site Description	East Of R69		
1.4	Road Description	Route :	Road :	Section : Distance : 0.0km
1.5	GPS Position	31 01 37.1E -27 43 34.6S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary (Temp)		
1.8	Requested Period	2020/06/23 - 2020/07/04		
1.9	Length of record requested (hours)	288		
1.10	Actual First & Last Dates	2020/06/23 - 2020/07/01		
1.11	Actual available good data (hours)	198		
1.12	Percentage good data available for requested period	68.8		
		To Nongoma	To R69	Total
2.1a	Total number of vehicles (counted)	5887	5776	11663
2.1b	Total number of vehicles (projected for period)	8560	8399	16959
2.2	Average daily traffic (ADT)	713	700	1413
2.3	Average daily truck traffic (ADTT)	49	50	99
2.4	Percentage of trucks	6.9	7.2	7.0
2.5	Truck split % (short:medium:long)	65 : 21 : 14	65 : 20 : 15	66 : 20 : 14
2.6	Percentage of night traffic (20:00 - 06:00)	8.6	6.4	7.5
3.1	Speed limit (km/hr)	80		
3.2	Average speed (km/hr)	68.2	72.5	70.4
3.3	Average speed - light vehicles (km/hr)	68.7	73.4	71.0
3.4	Average speed - heavy vehicles (km/hr)	62.0	60.7	61.3
3.5	Average night speed (km/hr)	68.0	65.8	67.1
3.6	15th centile speed (km/hr)	55.5	57.6	57.6
3.7	85th centile speed (km/hr)	81.9	87.9	85.9
3.8	Percentage vehicles in excess of speed limit	16.9	31.4	24.1
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)	2020/06/26 14:00:00		177
4.3	Highest volume in the East (vehs/hr)	2020/06/26 16:00:00		110
4.4	Highest volume in the West (vehs/hr)	2020/06/29 09:00:00		91
4.5	Highest volume in a lane (vehicles/hr)	2020/06/26 16:00:00		110
4.6	15th highest volume on the road (vehicles/hr)	2020/06/29 09:00:00		125
4.7	15th highest volume in the East direction (vehs/hr)	2020/06/25 17:00:00		71
4.8	15th highest volume in the West direction (vehs/hr)	2020/06/29 12:00:00		68
4.9	30th highest volume on the road (vehicles/hr)	2020/07/01 14:00:00		112
4.10	30th highest volume in the East direction (vehs/hr)	2020/06/23 16:00:00		59
4.11	30th highest volume in the West direction (vehs/hr)	2020/06/26 11:00:00		60
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	590	601	1191
6.2	Estimated average number of axles per truck	3.3	3.3	3.3
6.3	Estimated truck mass (Ton/truck)	19.2	19.3	19.3
6.4	Estimated average E80/truck	1.2	1.2	1.2
6.5	Estimated daily E80 on the road	119		
6.6	Estimated daily E80 in the East direction	59		
6.7	Estimated daily E80 in the West direction	60		
6.8	Estimated daily E80 in the worst East lane	59		
6.9	Estimated daily E80 in the worst West lane	60		
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)		

Nongoma (R618 Nongoma to Vryheid)

Date: 04-10-2023

### Freight Volumes by Vehicle Class 12 Hour Period

Eastbound  
Westbound

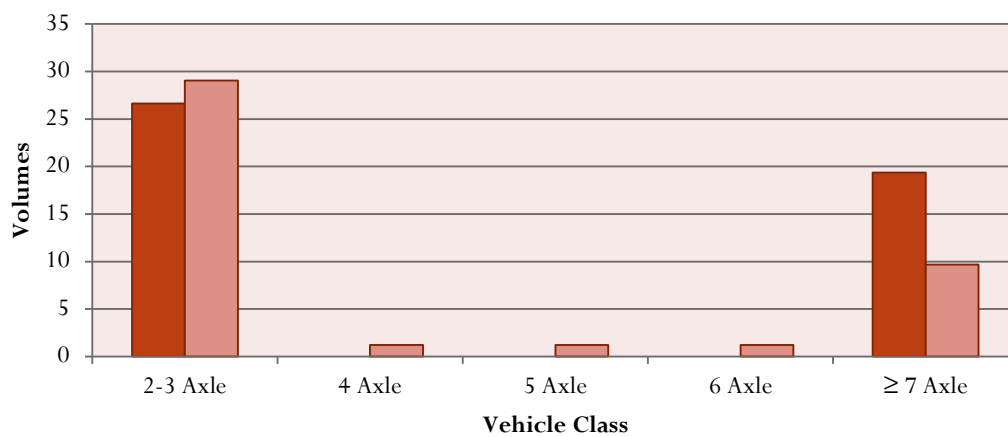


Nongoma (R618 Nongoma to Vryheid)

Date: 04-10-2023

### Freight Volumes by Vehicle Class 24 Hour Period

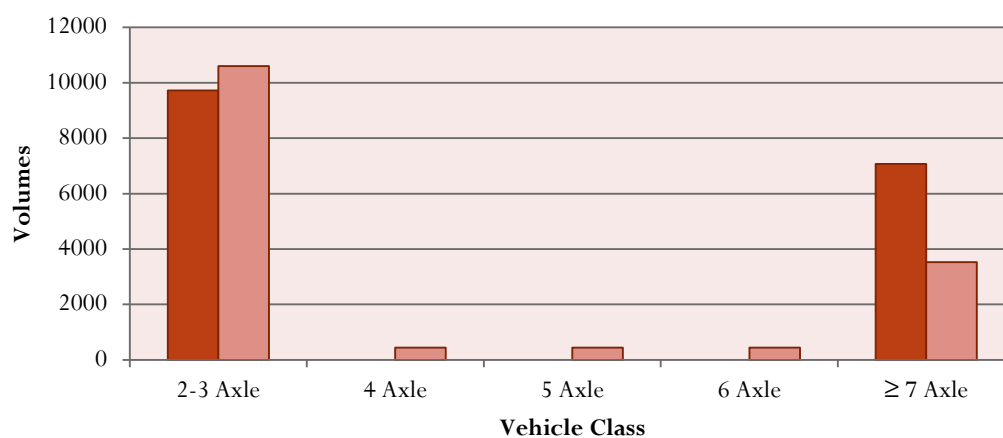
Eastbound  
Westbound

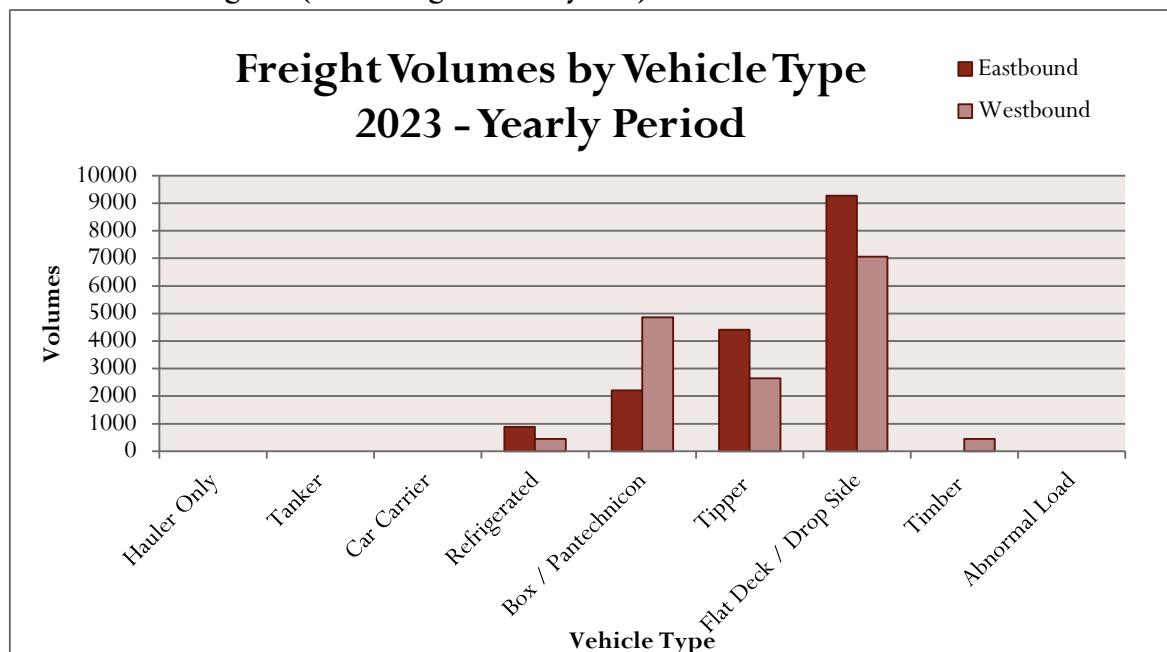
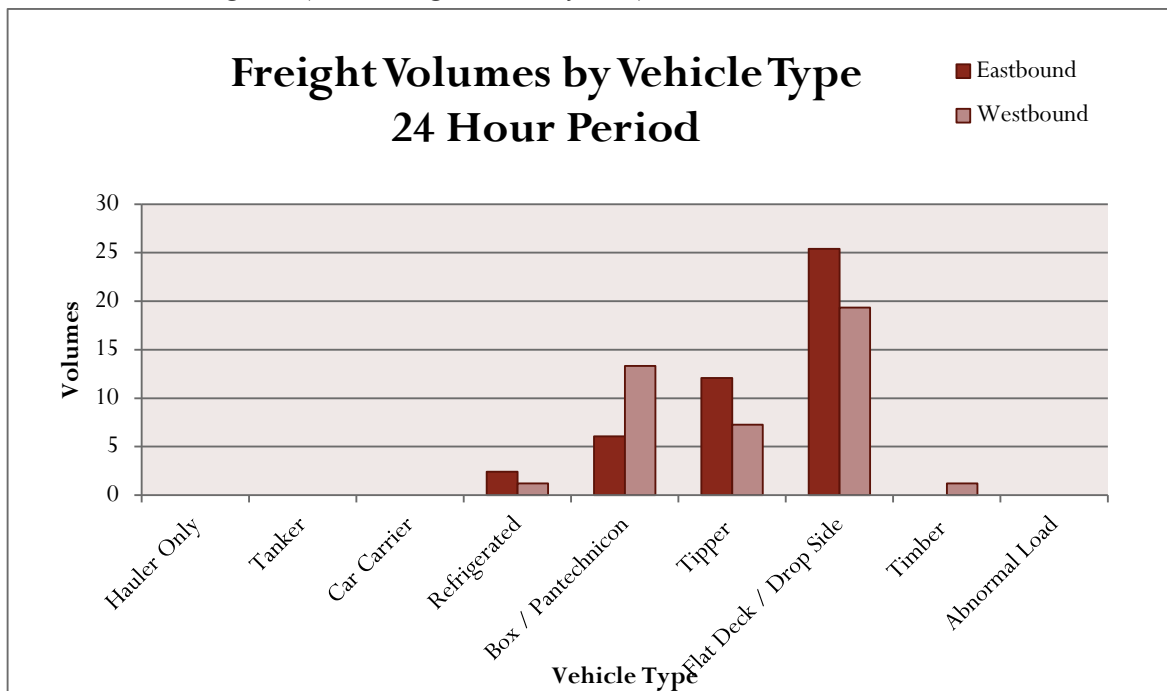
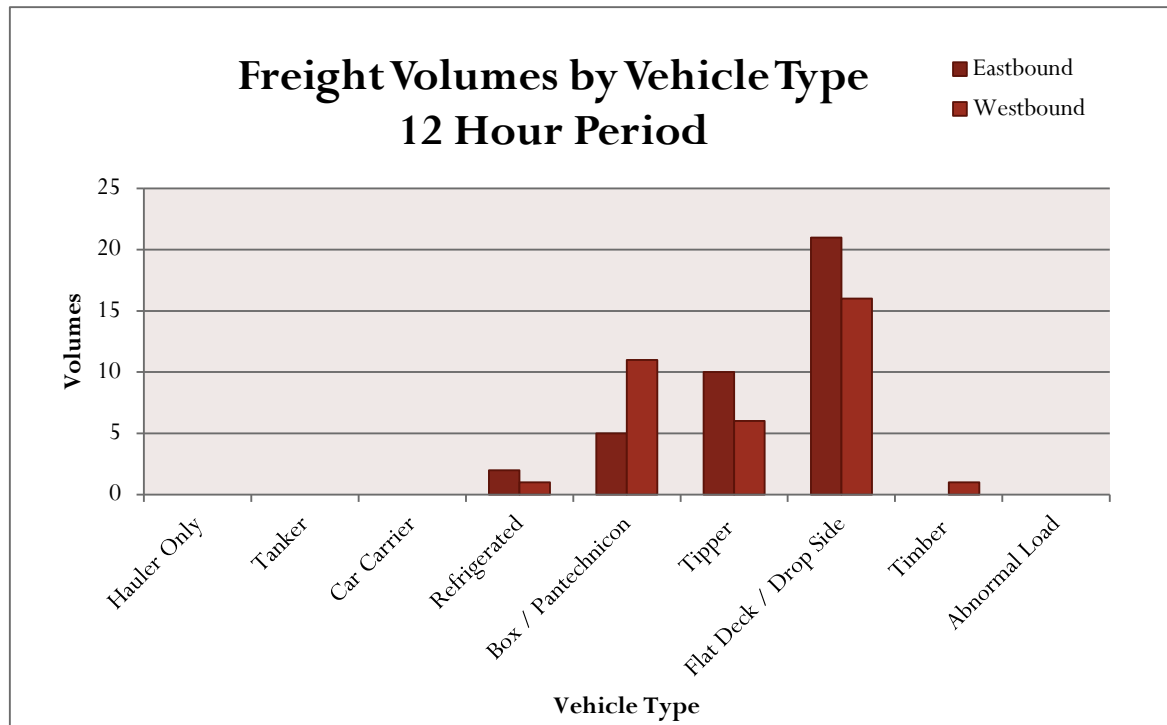


Nongoma (R618 Nongoma to Vryheid)

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

Eastbound  
Westbound

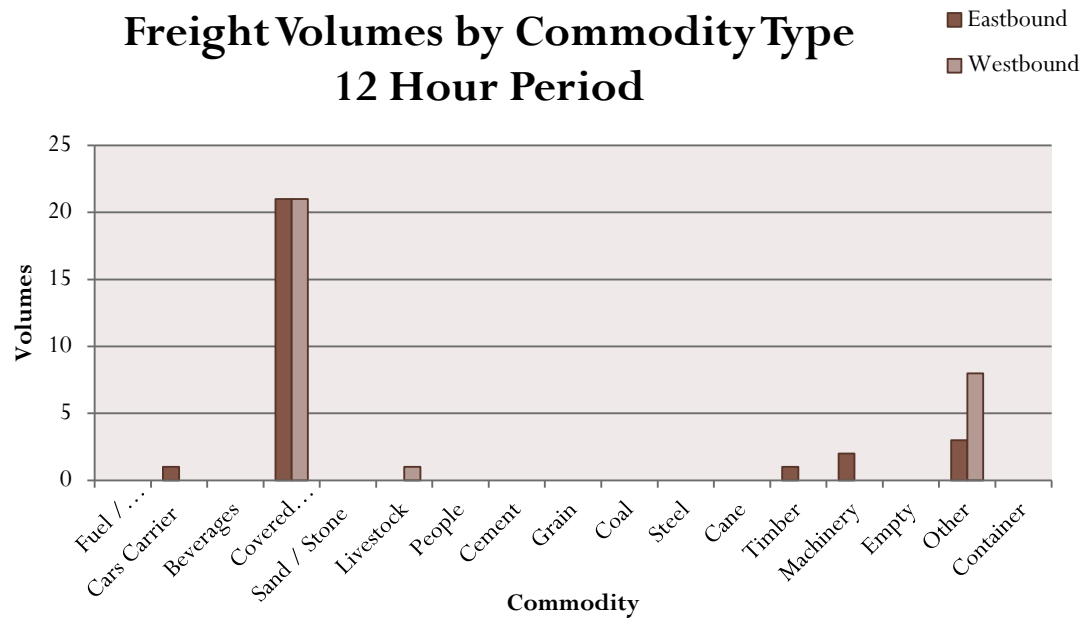




Nongoma (R618 Nongoma to Vryheid)

Date: 04-10-2023

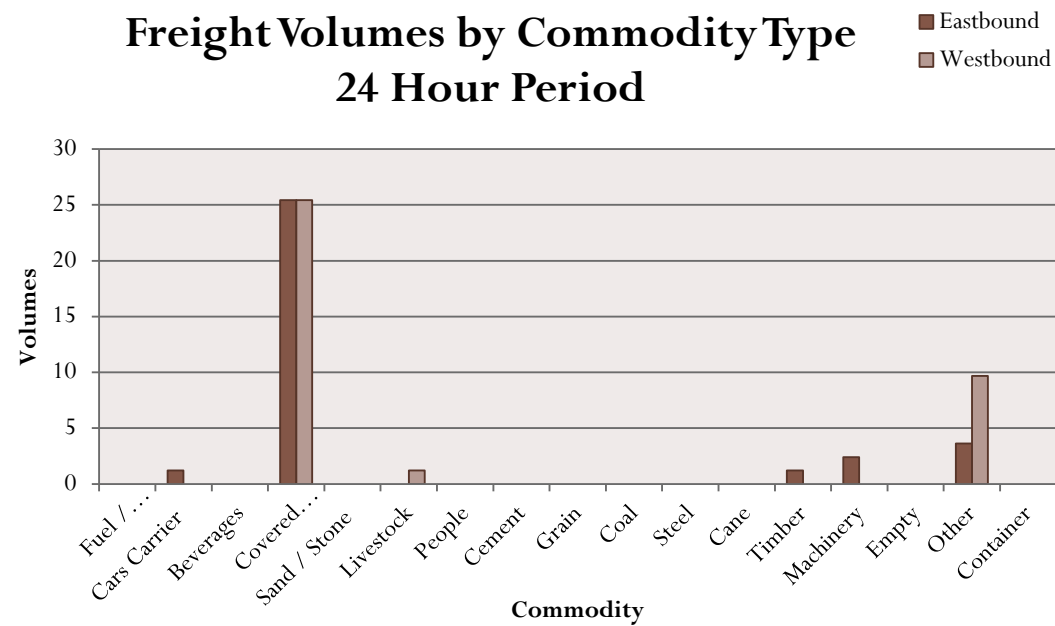
## Freight Volumes by Commodity Type 12 Hour Period



Nongoma (R618 Nongoma to Vryheid)

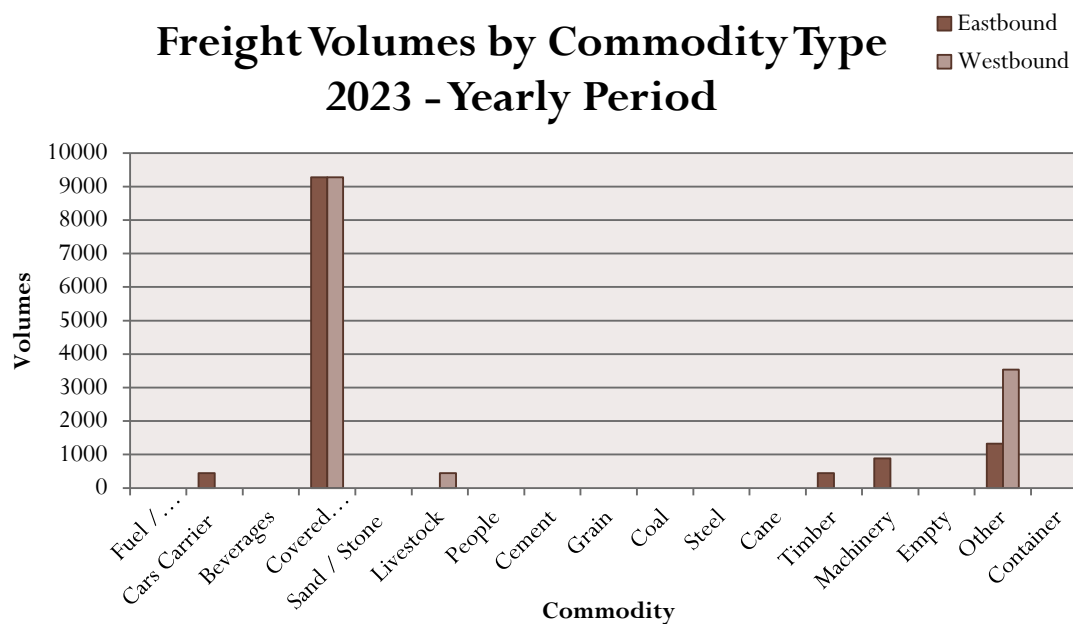
Date: 04-10-2023

## Freight Volumes by Commodity Type 24 Hour Period



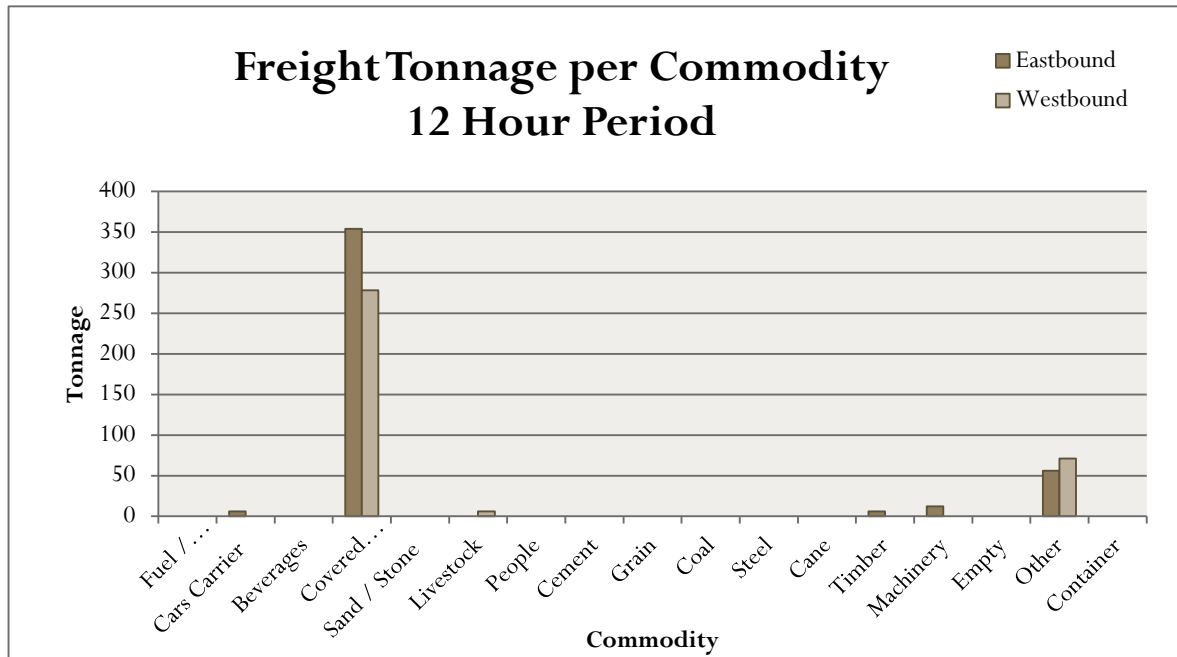
Nongoma (R618 Nongoma to Vryheid)

## Freight Volumes by Commodity Type 2023 - Yearly Period



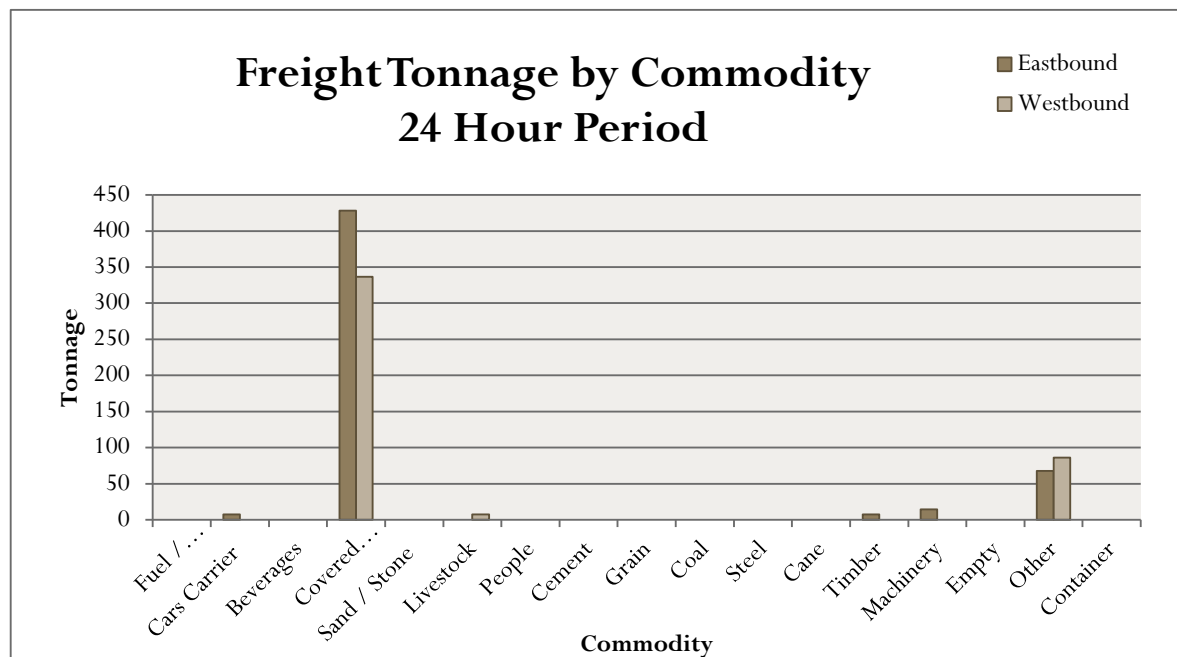
Nongoma (R618 Nongoma to Vryheid)

Date: 04-10-2023

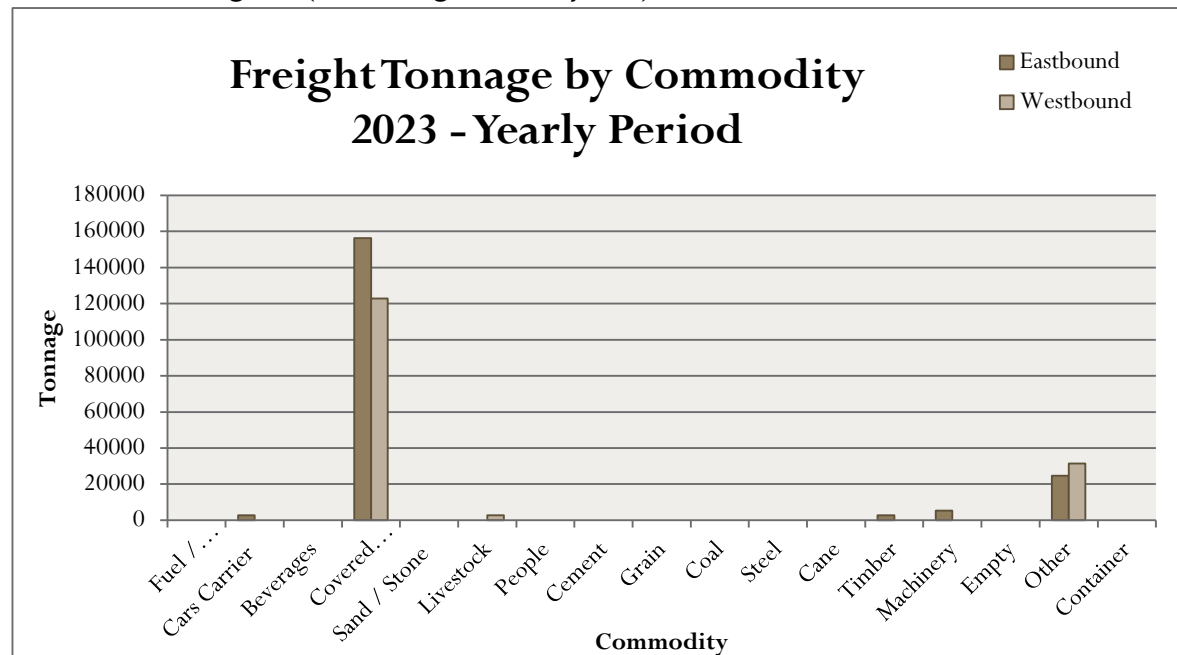


Nongoma (R618 Nongoma to Vryheid)

Date: 04-10-2023



Nongoma (R618 Nongoma to Vryheid)



Nongoma (R618 Nongoma to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 04-10-2023	
Eastbound							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	0	0	0	Fuel / Chemicals	0	0	0	0	0	0
Cars Carrier	6	0	0	0	0	6	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	54	0	0	0	300	354	Covered Load / Sail or Tarp	78	10	15	0	175	278
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	6	0	0	0	0	6
People	0	0	0	0	0	0	People	0	0	0	0	0	0
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	6	0	0	0	0	6	Timber	0	0	0	0	0	0
Machinery	12	0	0	0	0	12	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	6	0	0	0	50	56	Other	36	0	15	20	0	71
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Nongoma (R618 Nongoma to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 04-10-2023	
Eastbound							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	0	0	0	Fuel / Chemicals	0	0	0	0	0	0
Cars Carrier	7	0	0	0	0	7	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	65	0	0	0	363	428	Covered Load / Sail or Tarp	94	12	18	0	212	336
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	7	0	0	0	0	7
People	0	0	0	0	0	0	People	0	0	0	0	0	0
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	7	0	0	0	0	7	Timber	0	0	0	0	0	0
Machinery	15	0	0	0	0	15	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	7	0	0	0	61	68	Other	44	0	18	24	0	86
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Nongoma (R618 Nongoma to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Eastbound							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	0	0	0	Fuel / Chemicals	0	0	0	0	0	0
Cars Carrier	2650	0	0	0	0	2650	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	23849	0	0	0	132495	156344	Covered Load / Sail or Tarp	34449	4417	6625	0	77289	122779
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	2650	0	0	0	0	2650
People	0	0	0	0	0	0	People	0	0	0	0	0	0
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	2650	0	0	0	0	2650	Timber	0	0	0	0	0	0
Machinery	5300	0	0	0	0	5300	Machinery	0	0	0	0	0	0
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	2650	0	0	0	22083	24732	Other	15899	0	6625	8833	0	31357
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Nongoma (R618 Nongoma to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 04-10-2023	
Eastbound							Westbound						
	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				0
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						0

Nongoma (R618 Nongoma to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 04-10-2023	
Eastbound							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	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

Nongoma (R618 Nongoma to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Eastbound							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	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