

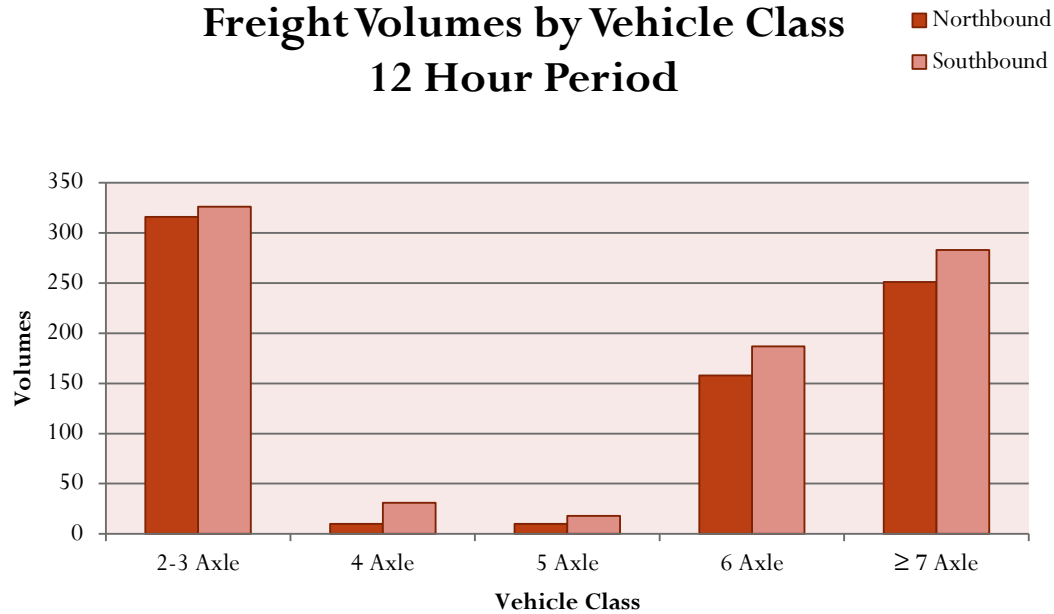
TRAFFIC HIGHLIGHTS OF SITE 2072		
1.1	Site Identifier	2072
1.2	Site Name	Mtunzini North 1
1.3	Site Description	Northern Side of Mtunzini I/C
1.4	Road Description	Route : N002 Road : N002 Section : 28 Distance : 42.6km
1.5	GPS Position	31 44 32.9E -28 57 00.0S
1.6	Number of Lanes	8
1.7	Station Type	Permanent Toll
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)	8485
1.12	Percentage good data available for requested period	96.9
		Total
2.1a	Total number of vehicles (counted)	4184925
2.1b	Total number of vehicles (projected for period)	4320431
2.2	Average daily traffic (ADT)	11837
2.3	Average daily truck traffic (ADTT)	2041
2.4	Percentage of trucks	17.2
2.5	Truck split % (short:medium:long)	27 : 14 : 59
2.6	Percentage of night traffic (20:00 - 06:00)	12.6
3.1	Speed limit (km/hr)	80
3.2	Average speed (km/hr)	92.0
3.3	Average speed - light vehicles (km/hr)	96.7
3.4	Average speed - heavy vehicles (km/hr)	69.4
3.5	Average night speed (km/hr)	84.5
3.6	15th centile speed (km/hr)	68.9
3.7	85th centile speed (km/hr)	115.0
3.8	Percentage vehicles in excess of speed limit	68.7
4.1	Percentage vehicles in flows over 600 vehicles/hr	77.4
4.2	Highest volume on the road (vehicles/hr)	2022/03/25 15:00:00 1439
4.3		
4.4		
4.5	Highest volume in a lane (vehicles/hr)	2022/11/25 15:00:00 412
4.6	15th highest volume on the road (vehicles/hr)	2022/03/04 16:00:00 1333
4.7		
4.8		
4.9	30th highest volume on the road (vehicles/hr)	2022/11/25 15:00:00 1295
4.10		
4.11		
5.1	Percentage of vehicles less than 2s behind vehicle ahead	
6.1	Total number of heavy vehicles (projected for period)	745008
6.2	Estimated average number of axles per truck	5.4
6.3	Estimated truck mass (Ton/truck)	30.8
6.4	Estimated average E80/truck	1.8
6.5	Estimated daily E80 on the road	3575
6.6		
6.7		
6.8		
6.9		
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

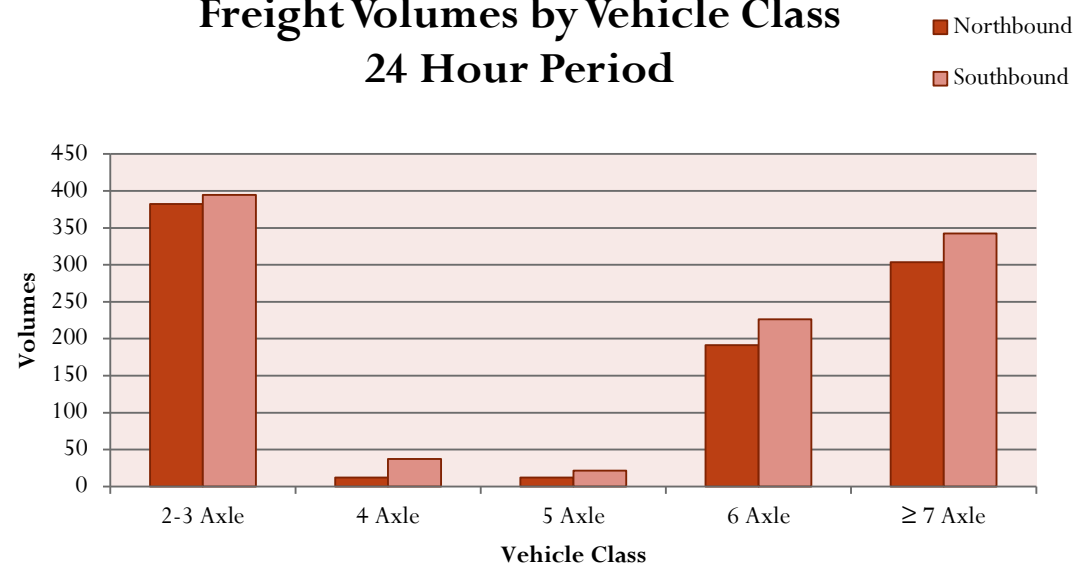
Date : 2023/10/02
Site : 2072 - Mtunzini North 1
Description : Northern Side of Mtunzini I/C

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			Lane 4			Lane 5			Lane 6			Lane 7			Lane 8			N002-28 Km 42.6		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	1124	52	1176	2357	1029	3386	1933	66	1999	2244	62	2306	1899	976	2875	1121	39	1160	0	0	0	1	0	1	10679	2224	12903
231003	00:00	24:00	1119	48	1167	1936	1145	3081	1707	61	1768	2035	118	2153	1561	1113	2674	1132	45	1177	0	0	0	0	0	0	9490	2530	12020
231004	00:00	24:00	1061	45	1106	1843	1186	3029	1960	94	2054	2210	95	2305	1592	1126	2718	1107	44	1151	0	0	0	1	0	1	9774	2590	12364
231005	00:00	24:00	1089	57	1146	1982	1236	3218	1869	76	1945	2338	93	2431	1620	1181	2801	1110	37	1147	2	0	2	0	0	0	10010	2680	12690
231006	00:00	24:00	1140	54	1194	2545	1142	3687	2309	80	2389	3160	95	3255	2029	1192	3221	1220	33	1253	0	0	0	0	0	0	12403	2596	14999
231007	00:00	24:00	909	21	930	2379	874	3253	1765	45	1810	2460	68	2528	1901	922	2823	980	20	1000	0	0	0	0	0	0	10394	1950	12344
231008	00:00	24:00	824	12	836	2636	710	3346	2029	41	2070	2371	58	2429	2043	706	2749	831	10	841	0	0	0	0	0	0	10734	1537	12271

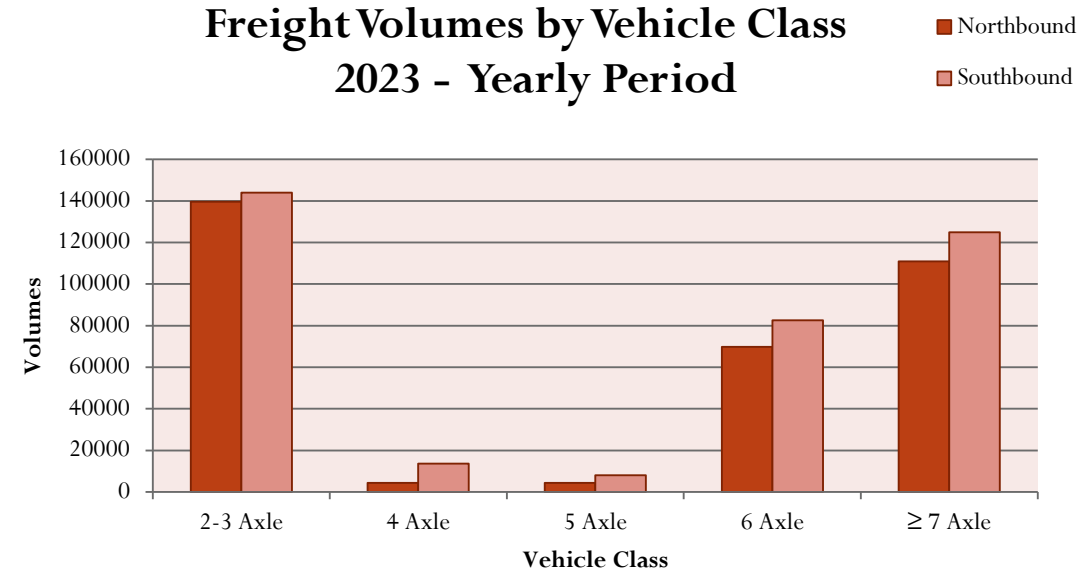
Freight Volumes by Vehicle Class 12 Hour Period

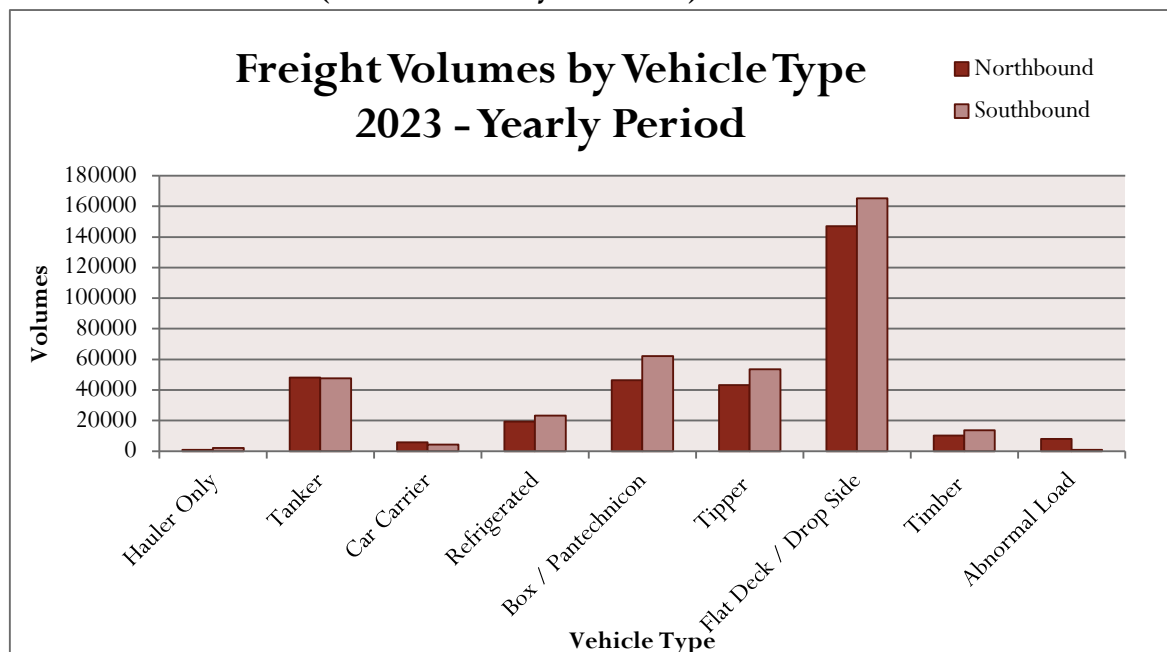
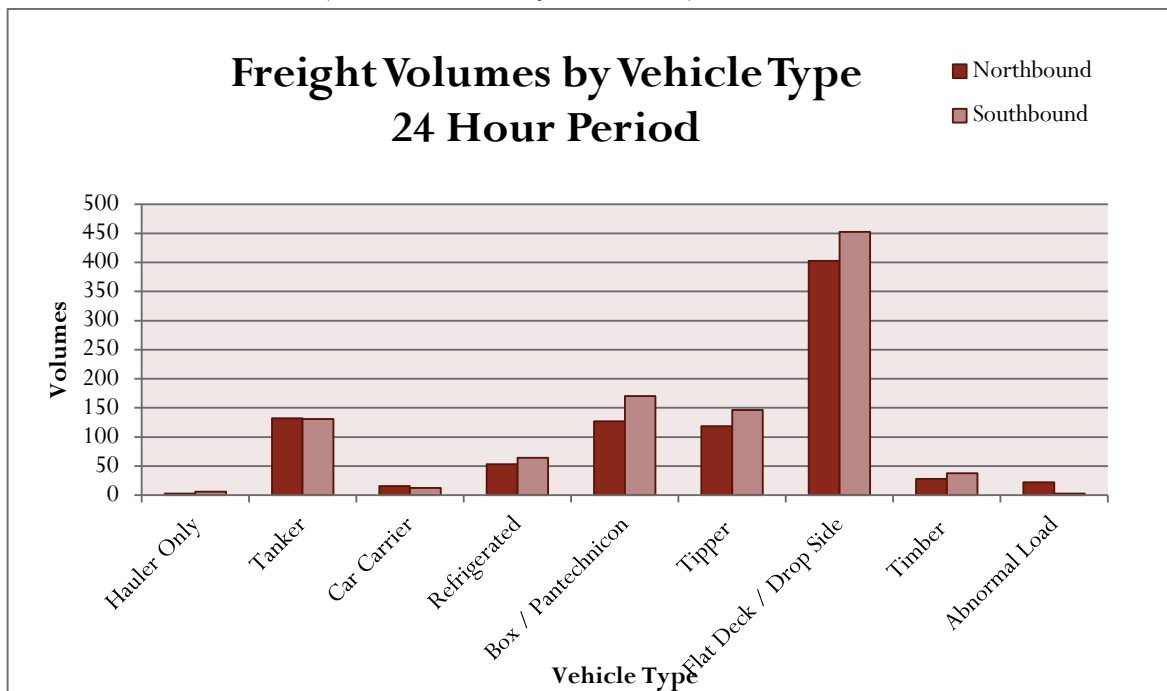
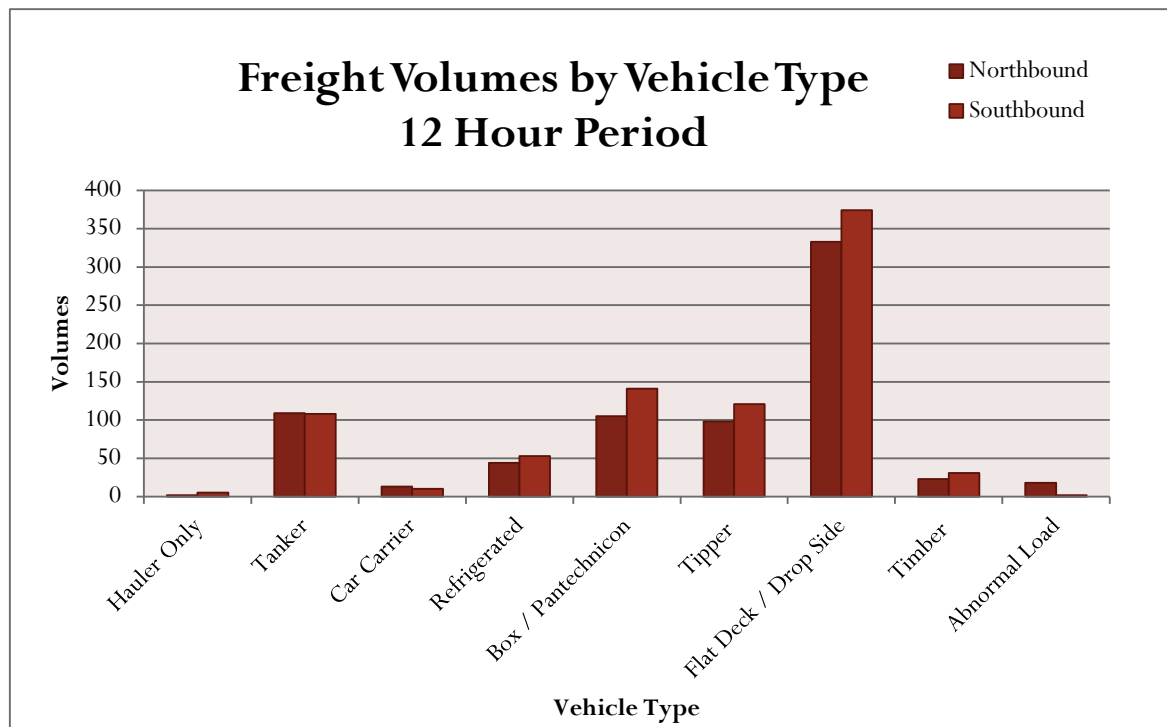


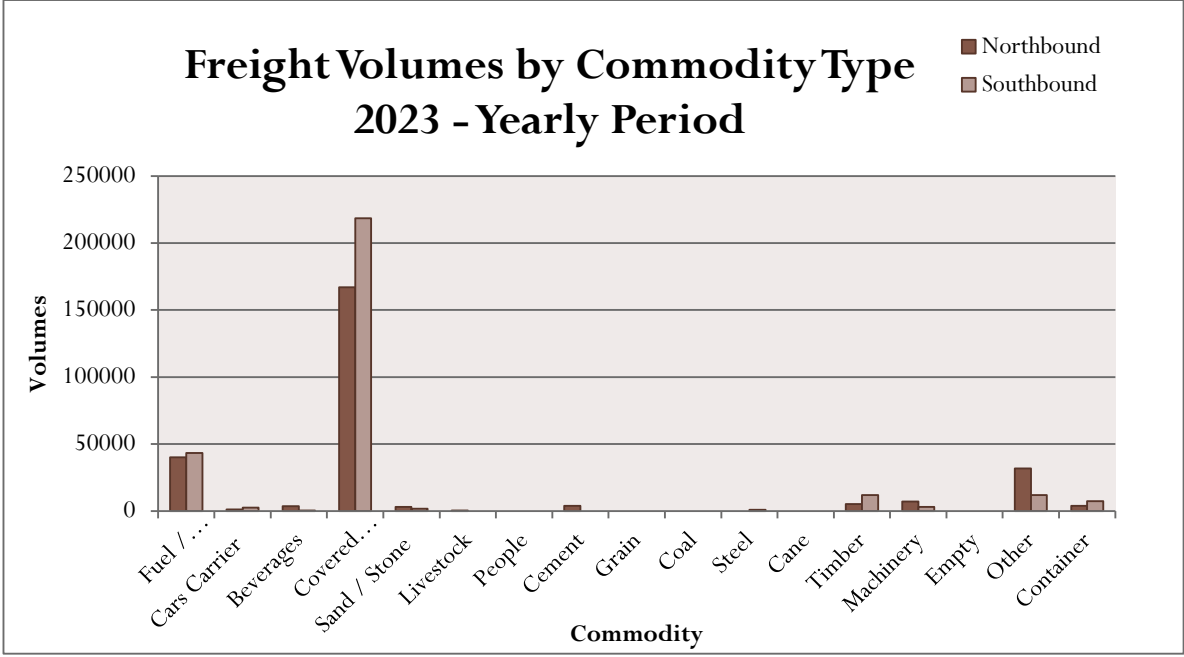
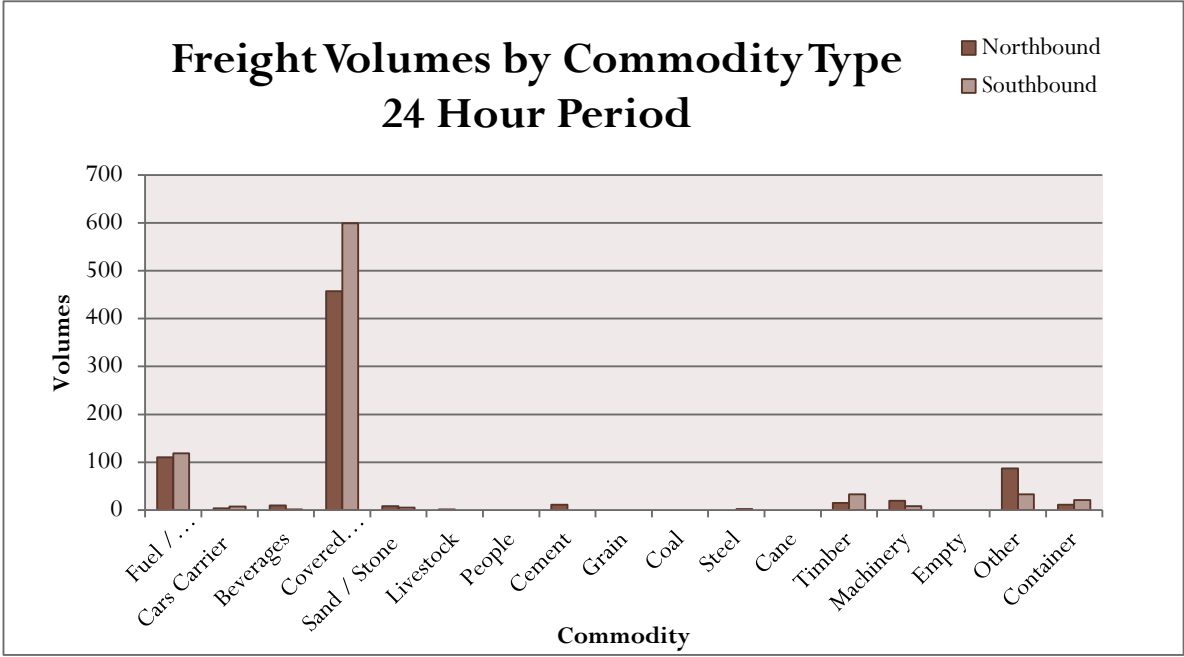
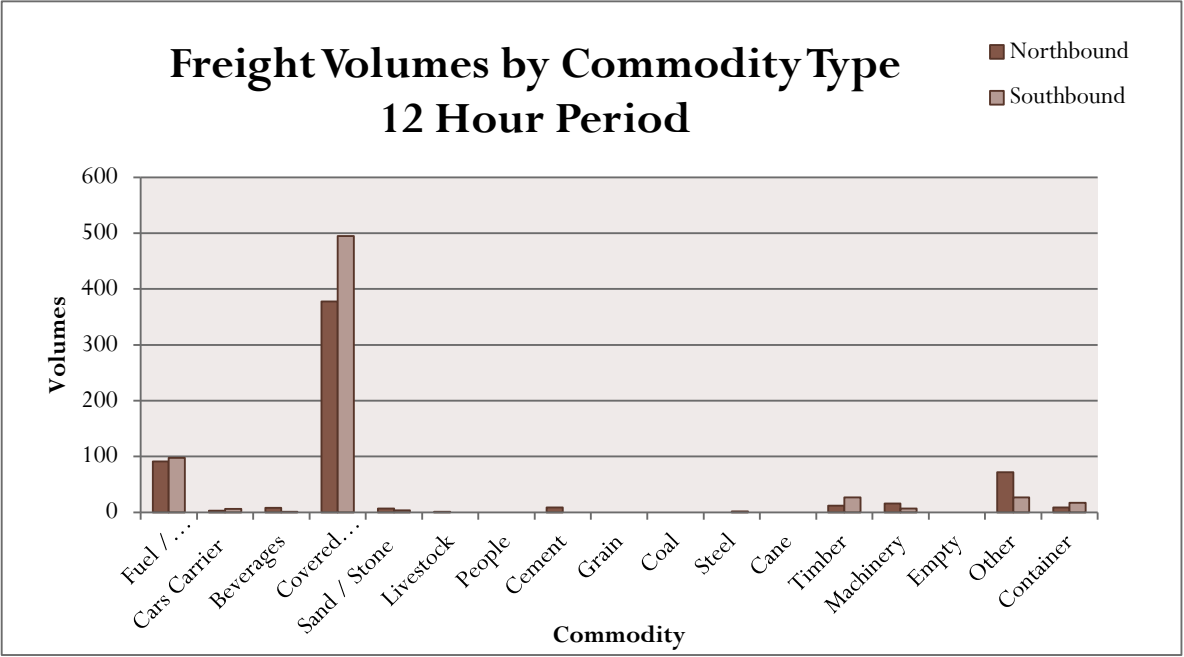
Freight Volumes by Vehicle Class 24 Hour Period



Freight Volumes by Vehicle Class 2023 - Yearly Period

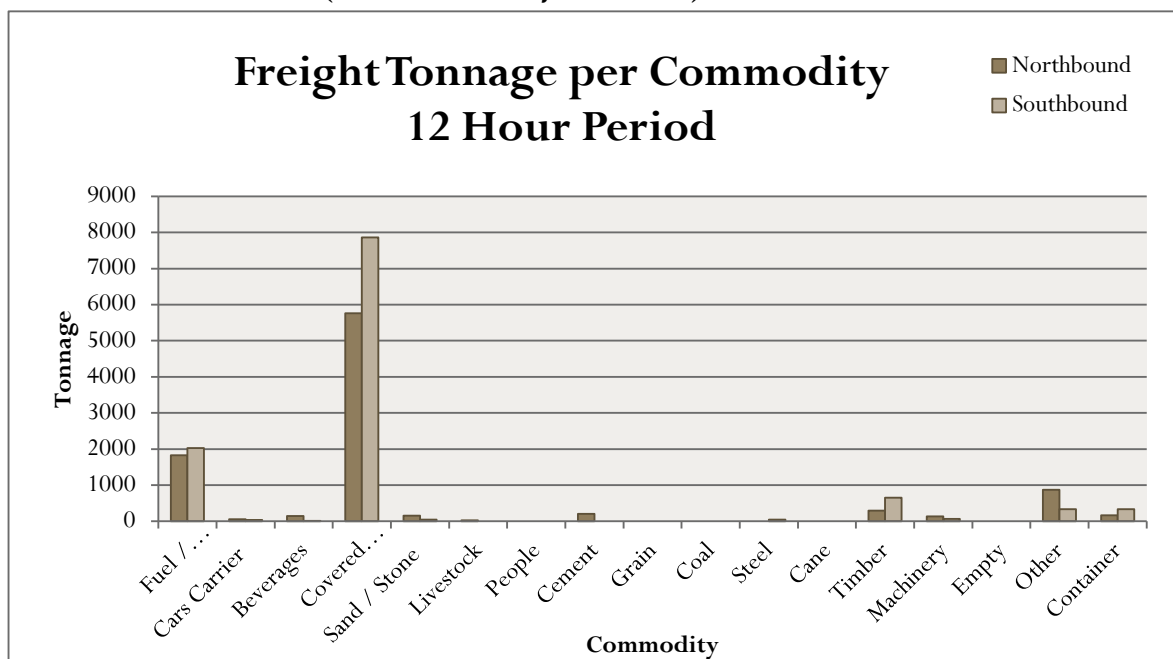






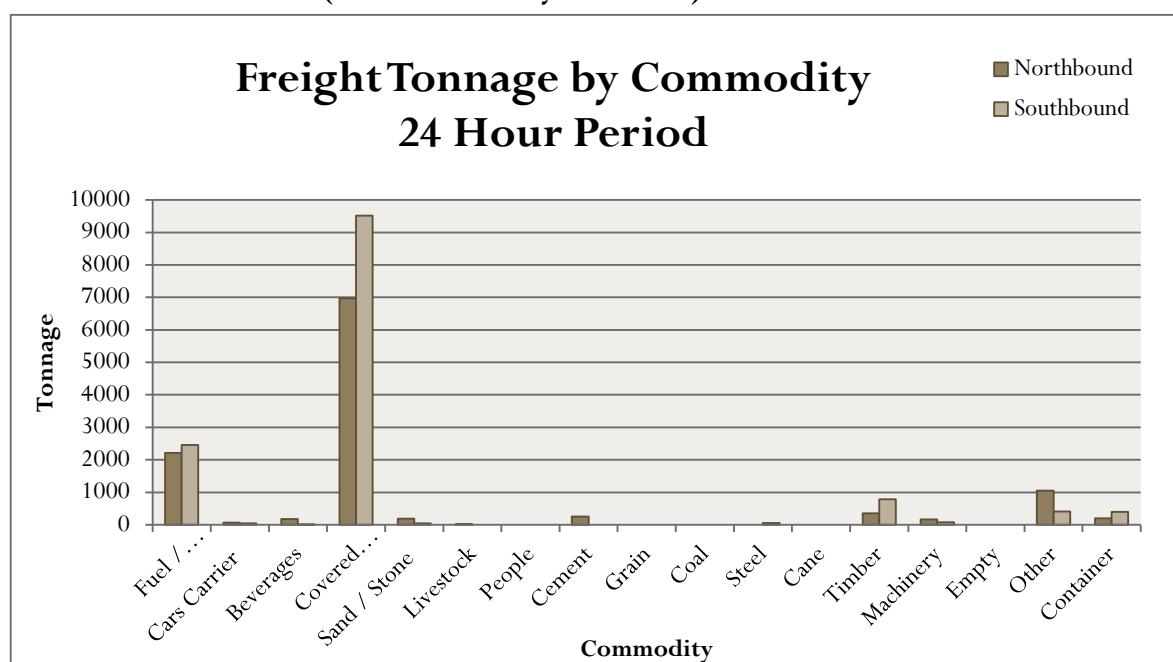
Mtunzini Main (N002 Richardsbay to Durban)

Date: 13-03-2023

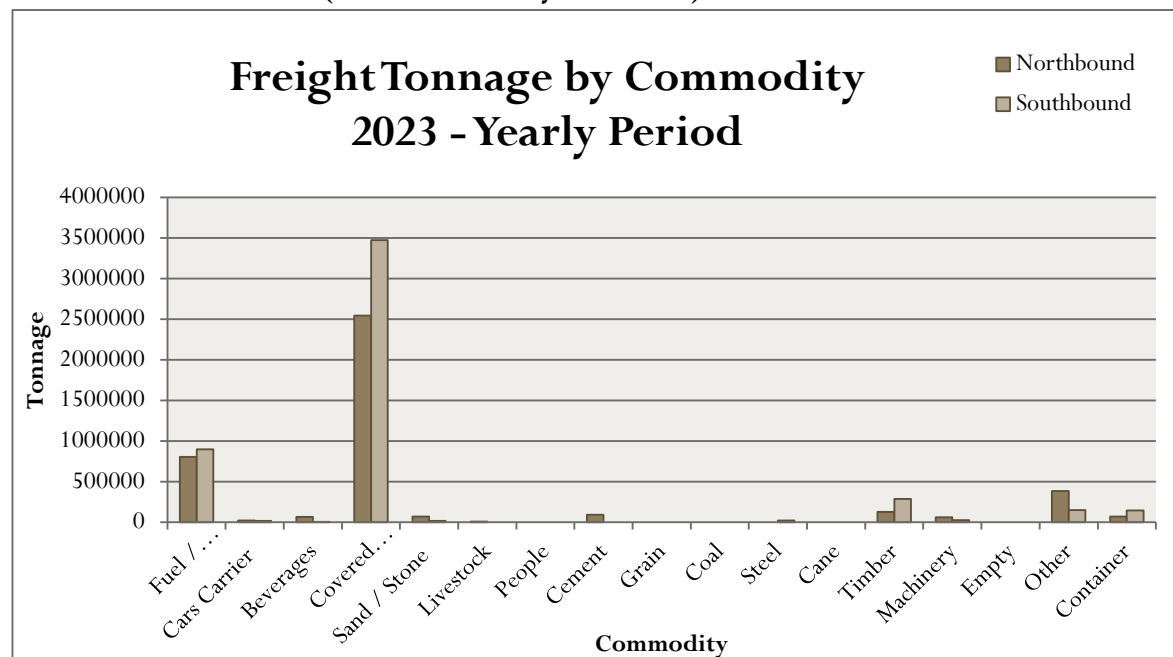


Mtunzini Main (N002 Richardsbay to Durban)

Date: 13-03-2023



Mtunzini Main (N002 Richardsbay to Durban)



Mtunzini Main (N002 Richardsbay to Durban)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 13-03-2023	
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	24	0	15	1460	325	1824	Fuel / Chemicals	18	10	0	1400	600	2028
Cars Carrier	0	0	30	20	0	50	Cars Carrier	36	0	0	0	0	36
Beverages	6	0	15	100	25	146	Beverages	6	0	0	0	0	6
Covered Load / Sail or Tarp	1080	50	45	660	3925	5760	Covered Load / Sail or Tarp	1170	230	150	1440	4875	7865
Sand / Stone	0	10	0	20	125	155	Sand / Stone	0	40	0	0	0	40
Livestock	0	0	0	20	0	20	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	6	0	0	0	200	206	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	20	25	45
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	40	250	290	Timber	6	0	0	20	625	651
Machinery	78	0	0	60	0	138	Machinery	36	0	0	0	25	61
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	264	20	15	220	350	869	Other	96	0	30	60	150	336
Container	6	0	15	140	0	161	Container	6	0	0	300	25	331

Mtunzini Main (N002 Richardsbay to Durban)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 13-03-2023	
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	29	0	18	1767	393	2207	Fuel / Chemicals	22	12	0	1694	726	2454
Cars Carrier	0	0	36	24	0	61	Cars Carrier	44	0	0	0	0	44
Beverages	7	0	18	121	30	177	Beverages	7	0	0	0	0	7
Covered Load / Sail or Tarp	1307	61	54	799	4749	6970	Covered Load / Sail or Tarp	1416	278	182	1742	5899	9517
Sand / Stone	0	12	0	24	151	188	Sand / Stone	0	48	0	0	0	48
Livestock	0	0	0	24	0	24	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	7	0	0	0	242	249	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	24	30	54
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	48	303	351	Timber	7	0	0	24	756	788
Machinery	94	0	0	73	0	167	Machinery	44	0	0	0	30	74
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	319	24	18	266	424	1051	Other	116	0	36	73	182	407
Container	7	0	18	169	0	195	Container	7	0	0	363	30	401

Mtunzini Main (N002 Richardsbay to Durban)													
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	10600	0	6625	644809	143536	805570	Fuel / Chemicals	7950	4417	0	618310	264990	895666
Cars Carrier	0	0	13250	8833	0	22083	Cars Carrier	15899	0	0	0	0	15899
Beverages	2650	0	6625	44165	11041	64481	Beverages	2650	0	0	0	0	2650
Covered Load / Sail or Tarp	476982	22083	19874	291489	1733476	2543904	Covered Load / Sail or Tarp	516731	101580	66248	635976	2153044	3473577
Sand / Stone	0	4417	0	8833	55206	68456	Sand / Stone	0	17666	0	0	0	17666
Livestock	0	0	0	8833	0	8833	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	2650	0	0	0	88330	90980	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	8833	11041	19874
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	17666	110413	128079	Timber	2650	0	0	8833	276031	287514
Machinery	34449	0	0	26499	0	60948	Machinery	15899	0	0	0	11041	26941
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	116596	8833	6625	97163	154578	383794	Other	42398	0	13250	26499	66248	148394
Container	2650	0	6625	61831	0	71106	Container	2650	0	0	132495	11041	146186

Mtunzini Main (N002 Richardsbay to Durban)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 13-03-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle						0
3 Axle	1					1	3 Axle	1					1
4 Axle						0	4 Axle						0
5 Axle				1		2	5 Axle						0
6 Axle	1			6		13	6 Axle	10	1		3	1	21
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						16	TOTAL						22

Mtunzini Main (N002 Richardsbay to Durban)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 13-03-2023	
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	1	0	0	0	0	1	3 Axle	1	0	0	0	0	1
4 Axle	0	0	0	0	0	0	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	1	0	2	5 Axle	0	0	0	0	0	0
6 Axle	1	0	0	7	0	16	6 Axle	12	1	0	4	1	25
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						19	TOTAL						27

Mtunzini Main (N002 Richardsbay to Durban)														
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	442	0	0	0	0	442	3 Axle	442	0	0	0	0	442	
4 Axle	0	0	0	0	0	0	4 Axle	0	0	0	0	0	0	
5 Axle	0	0	0	442	0	883	5 Axle	0	0	0	0	0	0	
6 Axle	442	0	0	2650	0	5741	6 Axle	4417	442	0	1325	442	9275	
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0	
TOTAL							TOTAL							9716