

TRAFFIC HIGHLIGHTS OF SITE 3602			
1.1	Site Identifier	3602	
1.2	Site Name	KZN Bergville	
1.3	Site Description	P340 3.8kms North of Bergville	
1.4	Road Description	Route : R 74 Road : P340 Section : Distance : 3.8km	
1.5	GPS Position	29 10 54.2E -28 42 34.0S	
1.6	Number of Lanes	2	
1.7	Station Type	Permanent	
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)	8758	
1.12	Percentage good data available for requested period	100.0	
		To Sterkfontein	To Bergville
2.1a	Total number of vehicles (counted)	506629	507923
2.1b	Total number of vehicles (projected for period)	506736	508030
2.2	Average daily traffic (ADT)	1388	1392
2.3	Average daily truck traffic (ADTT)	142	117
2.4	Percentage of trucks	10.3	8.4
2.5	Truck split % (short:medium:long)	53 : 13 : 34	57 : 12 : 31
2.6	Percentage of night traffic (20:00 - 06:00)	8.6	8.8
3.1	Speed limit (km/hr)		120
3.2	Average speed (km/hr)	85.5	87.3
3.3	Average speed - light vehicles (km/hr)	87.0	88.5
3.4	Average speed - heavy vehicles (km/hr)	72.8	74.6
3.5	Average night speed (km/hr)	81.0	83.4
3.6	15th centile speed (km/hr)	64.9	68.9
3.7	85th centile speed (km/hr)	106.0	106.0
3.8	Percentage vehicles in excess of speed limit	3.5	3.4
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)		2022/12/16 11:00:00
4.3	Highest volume in the North (vehs/hr)		2022/06/16 14:00:00
4.4	Highest volume in the South (vehs/hr)		2022/12/16 11:00:00
4.5	Highest volume in a lane (vehicles/hr)		2022/12/16 11:00:00
4.6	15th highest volume on the road (vehicles/hr)		2022/12/23 17:00:00
4.7	15th highest volume in the North direction (vehs/hr)		2022/04/04 18:00:00
4.8	15th highest volume in the South direction (vehs/hr)		2022/03/10 10:00:00
4.9	30th highest volume on the road (vehicles/hr)		2022/01/03 14:00:00
4.10	30th highest volume in the North direction (vehs/hr)		2022/01/03 15:00:00
4.11	30th highest volume in the South direction (vehs/hr)		2022/10/28 13:00:00
5.1	Percentage of vehicles less than 2s behind vehicle ahead	9.0	8.5
6.1	Total number of heavy vehicles (projected for period)	51968	42590
6.2	Estimated average number of axles per truck	3.9	3.7
6.3	Estimated truck mass (Ton/truck)	18.1	18.4
6.4	Estimated average E80/truck	18.1	1.5
6.5	Estimated daily E80 on the road		2176
6.6	Estimated daily E80 in the North direction		2578
6.7	Estimated daily E80 in the South direction		176
6.8	Actual average daily E80 in the worst North lane		2134
6.9	Actual average daily E80 in the worst South lane		167
6.10	Actual average Axles/Truck (Short:Medium:Long)	(2.1 : 3.8 : 6.6)	(2.1 : 3.8 : 6.4)
6.11	Actual average Mass/Truck (Short:Medium:Long)	(8.9 : 17.5 : 32.3)	(8.3 : 17.0 : 38.2)
6.12	Actual average E80s/Truck (Short:Medium:Long)	(2.3 : 108.0 : 7.0)	(0.4 : 1.6 : 3.6)

L/H/Volume Report

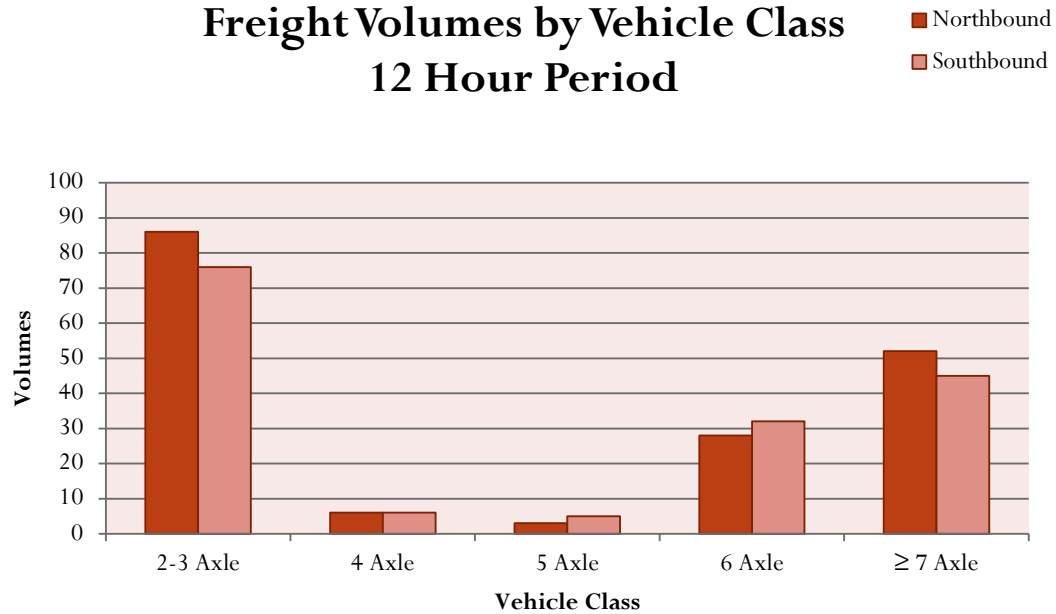
Date : 2023/10/02
Site : 3602 - KZN Bergville
Description : P340 3.8kms North of Bergville

Date	Time	Dur.	Lane 1			Lane 2			To Sterkfontein			To Bergville		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	1301	119	1420	1412	146	1558	1301	119	1420	1412	146	1558
231003	00:00	24:00	1374	145	1519	1283	144	1427	1374	145	1519	1283	144	1427
231004	00:00	24:00	1281	101	1382	1296	118	1414	1281	101	1382	1296	118	1414
231005	00:00	24:00	1272	106	1378	1266	112	1378	1272	106	1378	1266	112	1378
231006	00:00	24:00	1608	114	1722	1625	144	1769	1608	114	1722	1625	144	1769
231007	00:00	24:00	1499	83	1582	1574	95	1669	1499	83	1582	1574	95	1669
231008	00:00	24:00	1534	49	1583	1198	41	1239	1534	49	1583	1198	41	1239

Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023

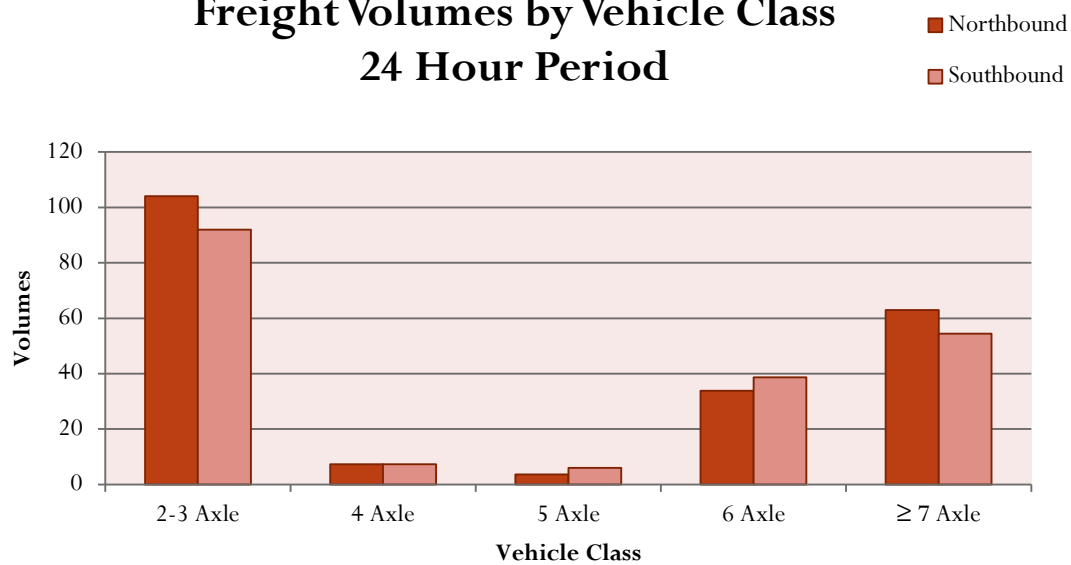
Freight Volumes by Vehicle Class 12 Hour Period



Bergville (R74 Sterkfonein to Bergville)

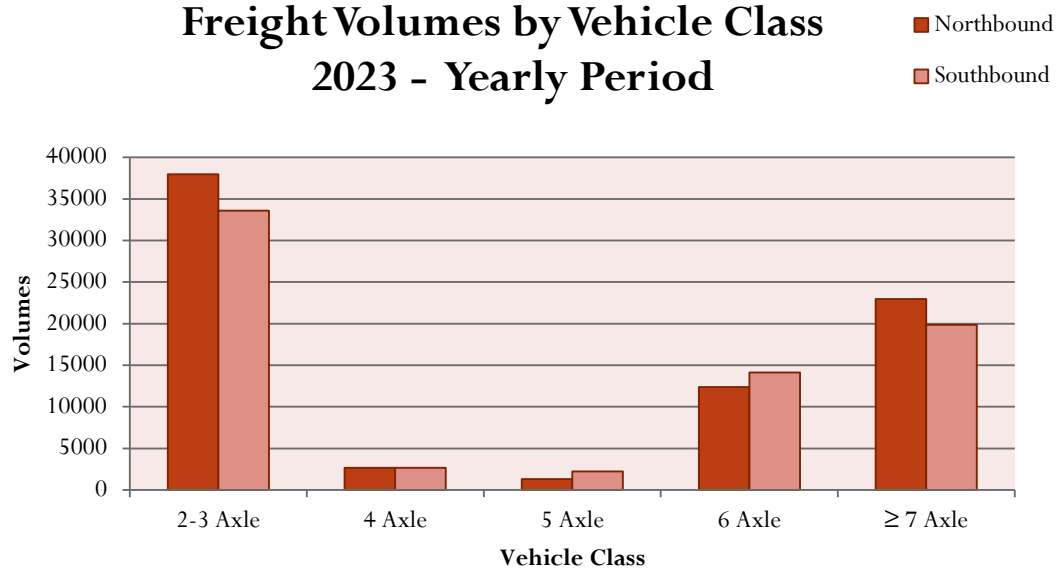
Date: 24-10-2023

Freight Volumes by Vehicle Class 24 Hour Period



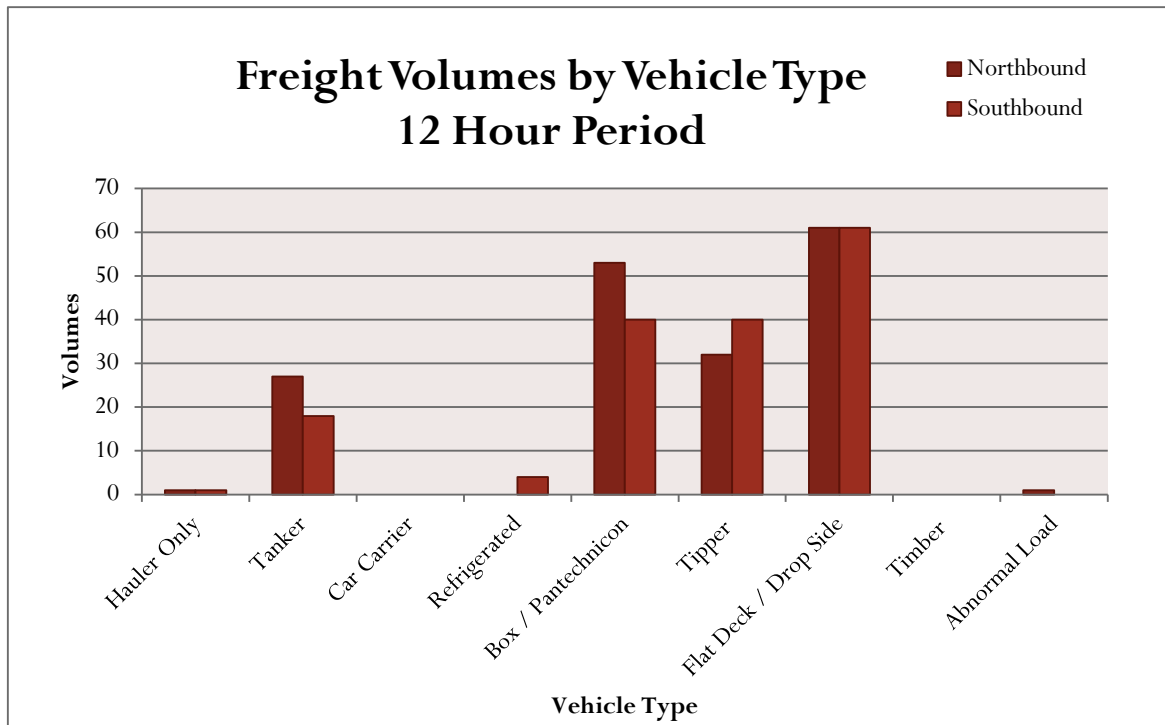
Bergville (R74 Sterkfonein to Bergville)

Freight Volumes by Vehicle Class 2023 - Yearly Period



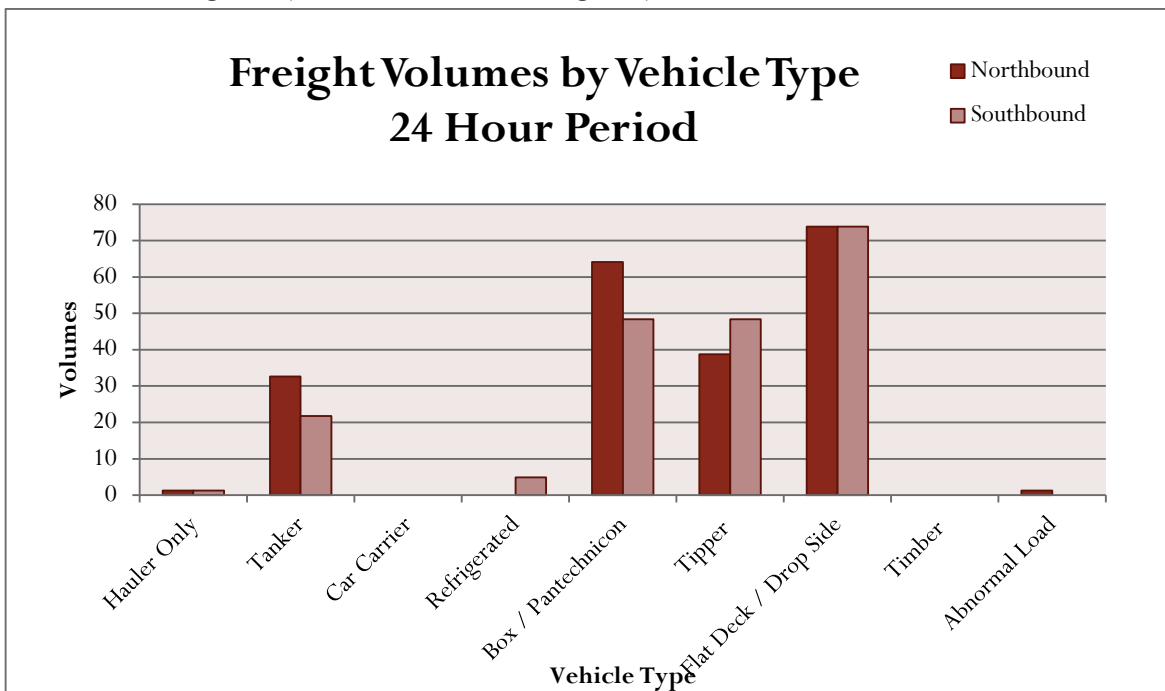
Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023

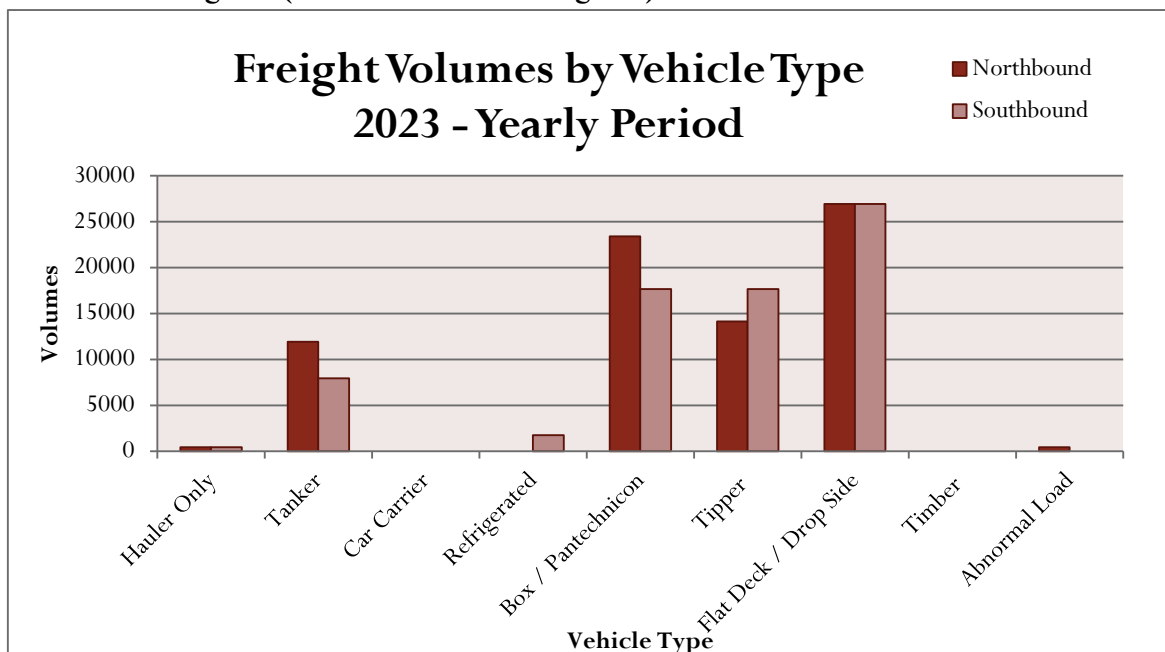


Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023



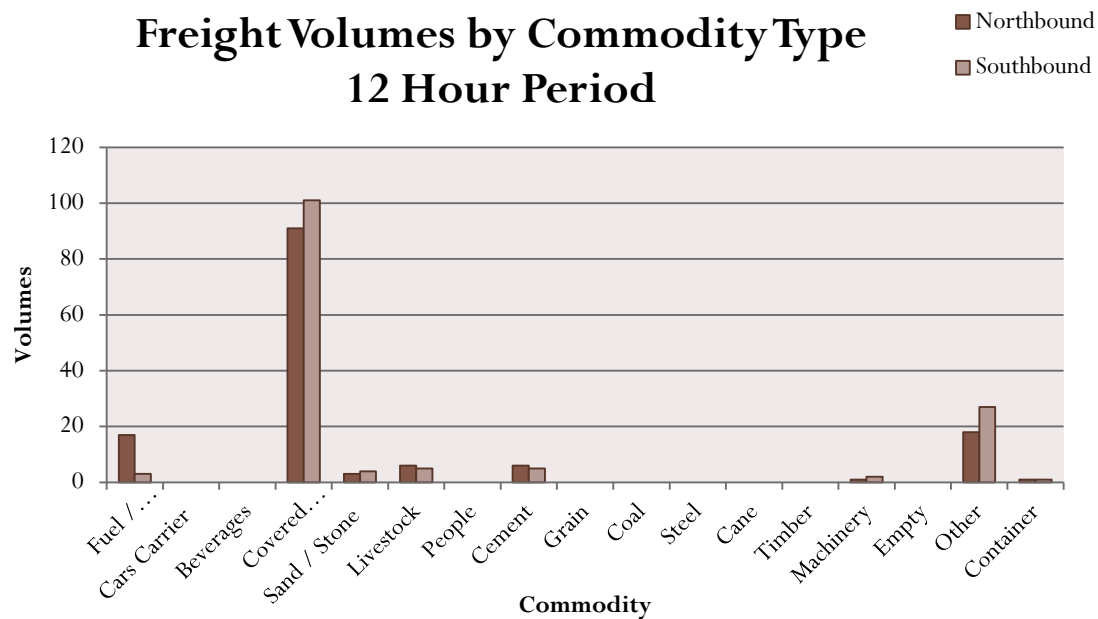
Bergville (R74 Sterkfonein to Bergville)



Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023

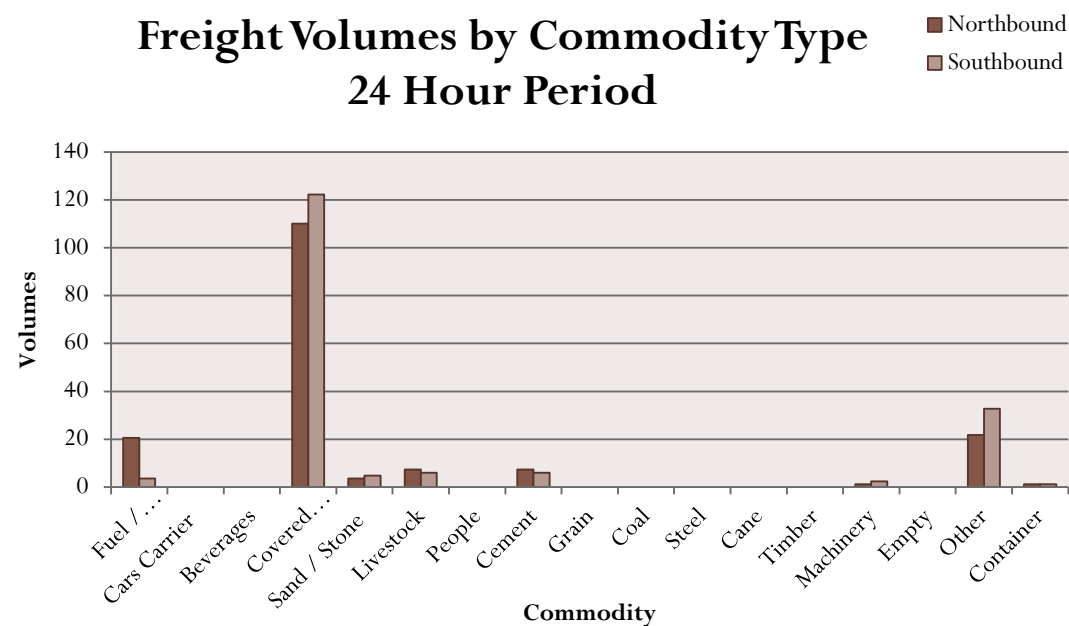
Freight Volumes by Commodity Type 12 Hour Period



Bergville (R74 Sterkfonein to Bergville)

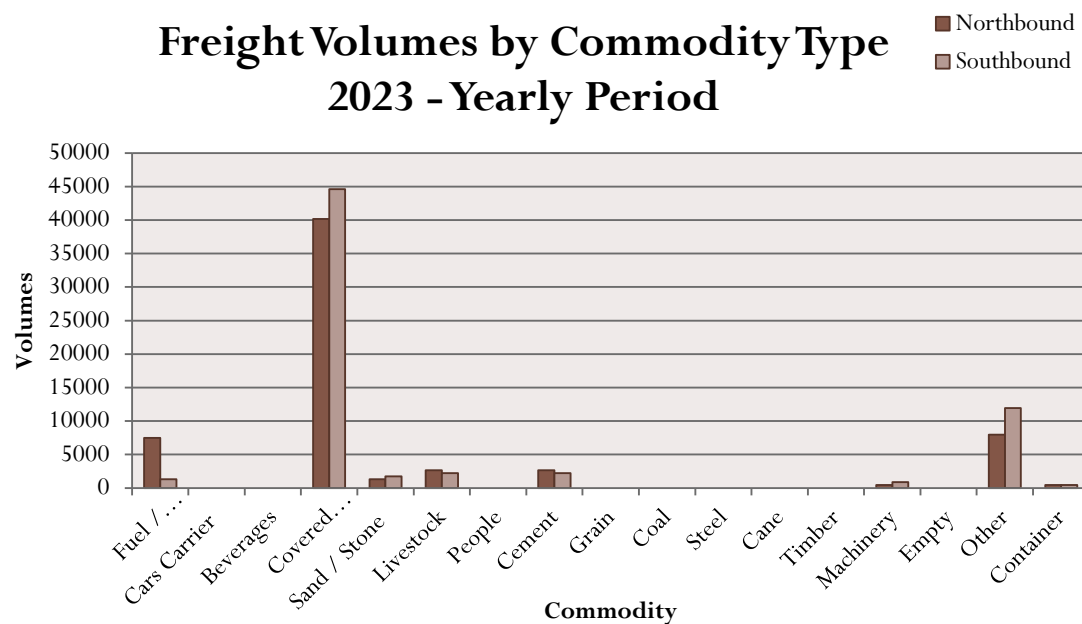
Date: 24-10-2023

Freight Volumes by Commodity Type 24 Hour Period



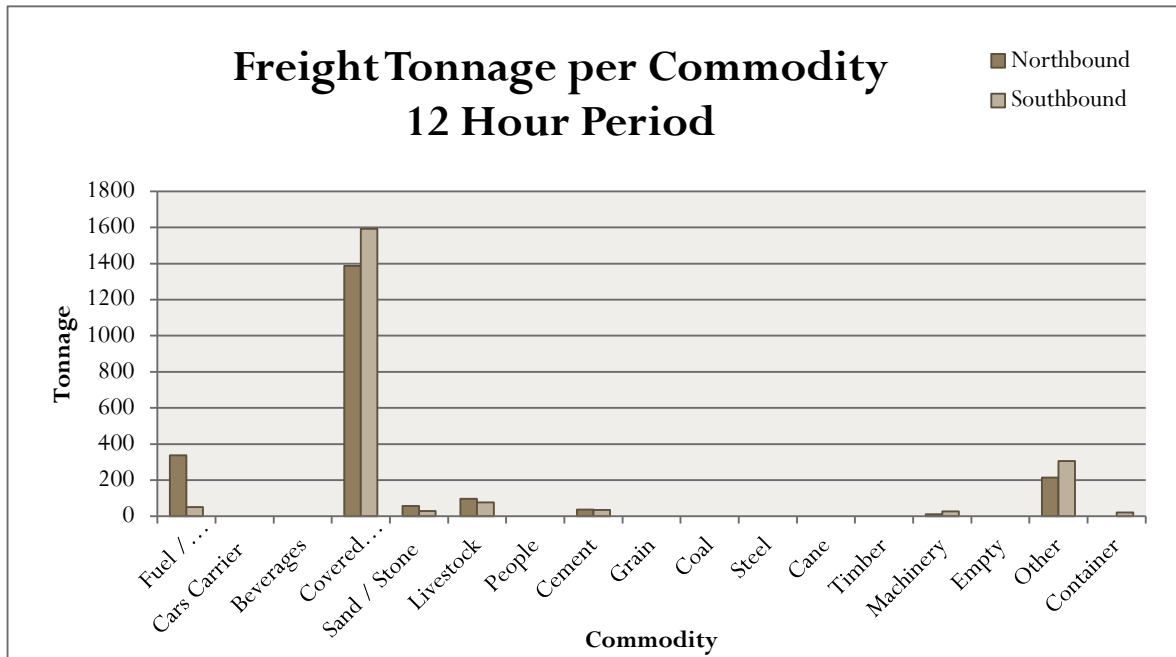
Bergville (R74 Sterkfonein to Bergville)

Freight Volumes by Commodity Type 2023 - Yearly Period



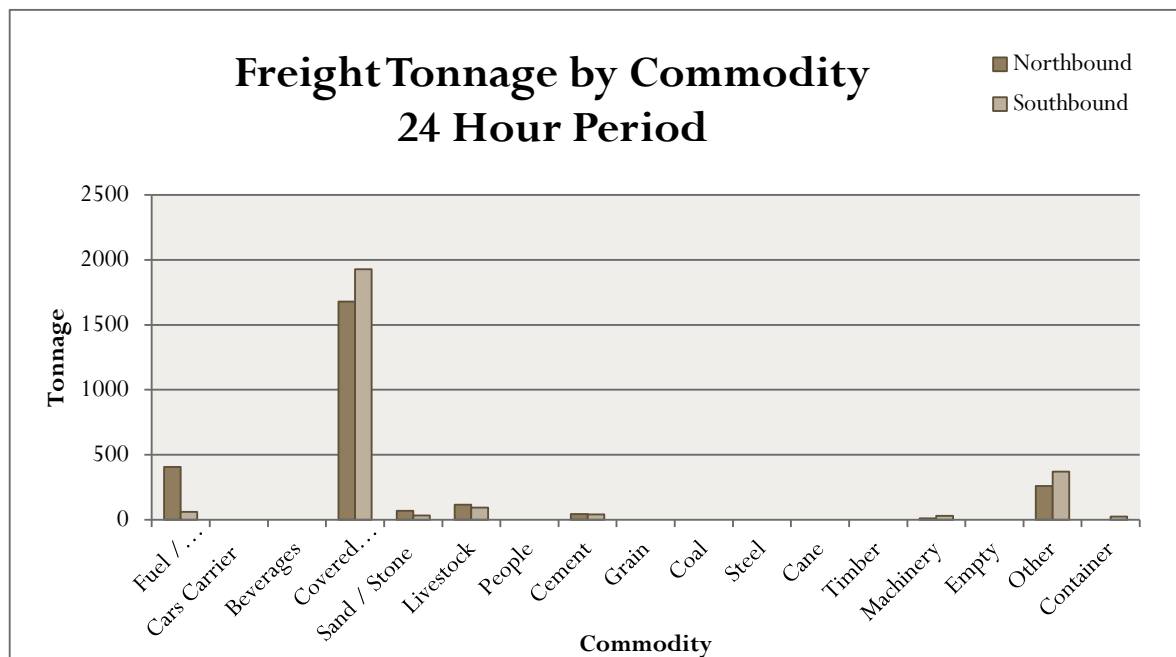
Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023

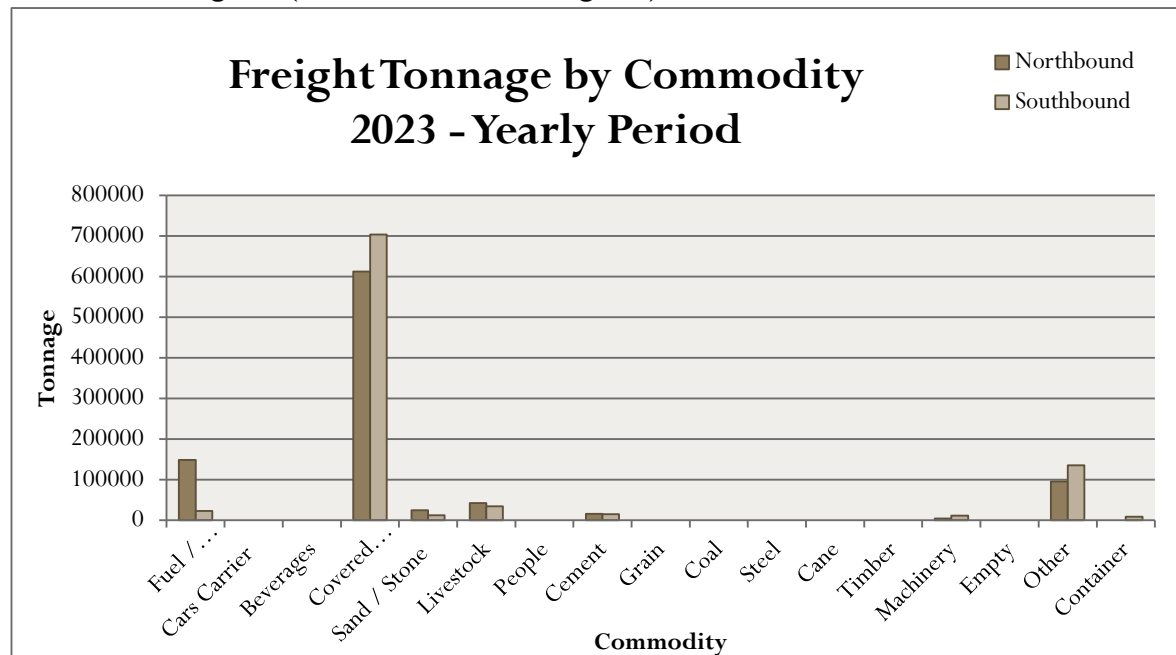


Bergville (R74 Sterkfonein to Bergville)

Date: 24-10-2023



Bergville (R74 Sterkfonein to Bergville)



Bergville (R74 Sterkfonein to Bergville)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)													Date: 24-10-2023
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	12	10	0	140	175	337	Fuel / Chemicals	6	0	0	20	25	51
Cars Carrier	0	0	0	0	0	0	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	252	20	15	200	900	1387	Covered Load / Sail or Tarp	258	20	30	260	1025	1593
Sand / Stone	6	0	0	0	50	56	Sand / Stone	18	10	0	0	0	28
Livestock	6	10	15	40	25	96	Livestock	12	0	0	40	25	77
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	36	0	0	0	0	36	Cement	24	10	0	0	0	34
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	0	0	0	Timber	0	0	0	0	0	0
Machinery	0	10	0	0	0	10	Machinery	6	0	0	20	0	26
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	60	10	0	120	25	215	Other	96	10	15	160	25	306
Container	0	0	0	0	0	0	Container	0	0	0	20	0	20

Bergville (R74 Sterkfonein to Bergville)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 24-10-2023	
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	15	12	0	169	212	408	Fuel / Chemicals	7	0	0	24	30	62
Cars Carrier	0	0	0	0	0	0	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	305	24	18	242	1089	1678	Covered Load / Sail or Tarp	312	24	36	315	1240	1928
Sand / Stone	7	0	0	0	61	68	Sand / Stone	22	12	0	0	0	34
Livestock	7	12	18	48	30	116	Livestock	15	0	0	48	30	93
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	44	0	0	0	0	44	Cement	29	12	0	0	0	41
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	0	0	0	Timber	0	0	0	0	0	0
Machinery	0	12	0	0	0	12	Machinery	7	0	0	24	0	31
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	73	12	0	145	30	260	Other	116	12	18	194	30	370
Container	0	0	0	0	0	0	Container	0	0	0	24	0	24

Bergville (R74 Sterkfonein to Bergville)													
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	5300	4417	0	61831	77289	148836	Fuel / Chemicals	2650	0	0	8833	11041	22524
Cars Carrier	0	0	0	0	0	0	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	111296	8833	6625	88330	397485	612569	Covered Load / Sail or Tarp	113946	8833	13250	114829	452691	703548
Sand / Stone	2650	0	0	0	22083	24732	Sand / Stone	7950	4417	0	0	0	12366
Livestock	2650	4417	6625	17666	11041	42398	Livestock	5300	0	0	17666	11041	34007
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	15899	0	0	0	0	15899	Cement	10600	4417	0	0	0	15016
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	0	0	0	Timber	0	0	0	0	0	0
Machinery	0	4417	0	0	0	4417	Machinery	2650	0	0	8833	0	11483
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	26499	4417	0	52998	11041	94955	Other	42398	4417	6625	70664	11041	135145
Container	0	0	0	0	0	0	Container	0	0	0	8833	0	8833

Bergville (R74 Sterkfonein to Bergville) Twenty Foot Equivalent Unit (TEU) (12 Hours)														Date: 24-10-2023
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				1		2	
≥ 7 Axle						0	≥ 7 Axle						0	
TOTAL						0	TOTAL						2	

Bergville (R74 Sterkfonein to Bergville) Twenty Foot Equivalent Unit (TEU) (24 Hours)														Date: 24-10-2023
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	1	0	2	
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0	
TOTAL						0	TOTAL						2	

Bergville (R74 Sterkfonein to Bergville) 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	442	0	883	
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0	
TOTAL						0	TOTAL						883	