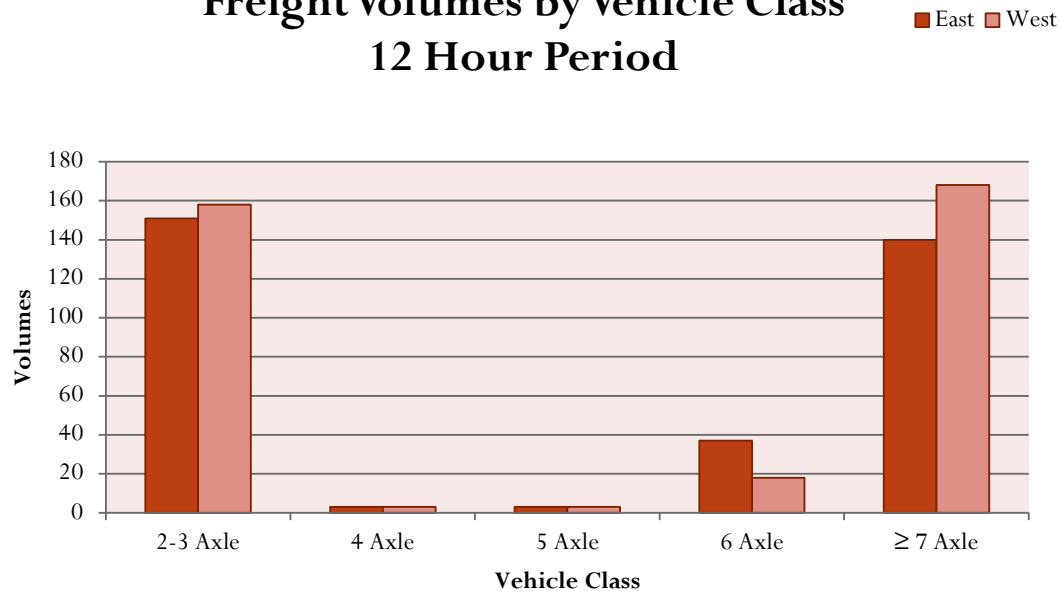


TRAFFIC HIGHLIGHTS OF SITE V9873			
1.1	Site Identifier	V9873	
1.2	Site Name	P34-3 Station 6	
1.3	Site Description	Segment 6	
1.4	Road Description	Route : Road : P34-3 Section : Distance : 0.0km	
1.5	GPS Position	30 45 03.5E -27 47 22.1S	
1.6	Number of Lanes	2	
1.7	Station Type	Secondary	
1.8	Requested Period	2021/11/25 - 2021/12/02	
1.9	Length of record requested (hours)	192	
1.10	Actual First & Last Dates	2021/11/25 - 2021/12/02	
1.11	Actual available good data (hours)	168	
1.12	Percentage good data available for requested period	88.0	
		To Vryheid East	To Dundee
2.1a	Total number of vehicles (counted)	22113	21798
2.1b	Total number of vehicles (projected for period)	25133	24775
2.2	Average daily traffic (ADT)	3142	3097
2.3	Average daily truck traffic (ADTT)	508	513
2.4	Percentage of trucks	16.2	16.6
2.5	Truck split % (short:medium:long)	32 : 12 : 56	33 : 10 : 57
2.6	Percentage of night traffic (20:00 - 06:00)	11.9	11.3
3.1	Speed limit (km/hr)		120
3.2	Average speed (km/hr)	69.4	76.4
3.3	Average speed - light vehicles (km/hr)	70.3	78.6
3.4	Average speed - heavy vehicles (km/hr)	64.4	65.5
3.5	Average night speed (km/hr)	71.3	76.4
3.6	15th centile speed (km/hr)	55.6	59.7
3.7	85th centile speed (km/hr)	85.9	93.9
3.8	Percentage vehicles in excess of speed limit	0.3	0.8
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)	2021/11/26 16:00:00	639
4.3	Highest volume in the East (vehs/hr)	2021/11/26 16:00:00	317
4.4	Highest volume in the West (vehs/hr)	2021/11/26 17:00:00	339
4.5	Highest volume in a lane (vehicles/hr)	2021/11/26 17:00:00	339
4.6	15th highest volume on the road (vehicles/hr)	2021/11/25 14:00:00	482
4.7	15th highest volume in the East direction (vehs/hr)	2021/12/02 08:00:00	245
4.8	15th highest volume in the West direction (vehs/hr)	2021/11/25 16:00:00	258
4.9	30th highest volume on the road (vehicles/hr)	2021/11/28 17:00:00	444
4.10	30th highest volume in the East direction (vehs/hr)	2021/11/28 16:00:00	226
4.11	30th highest volume in the West direction (vehs/hr)	2021/12/01 11:00:00	228
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	4063	4101
6.2	Estimated average number of axles per truck	5.1	5.2
6.3	Estimated truck mass (Ton/truck)	29.4	29.6
6.4	Estimated average E80/truck	1.7	1.7
6.5	Estimated daily E80 on the road		1689
6.6	Estimated daily E80 in the East direction		841
6.7	Estimated daily E80 in the West direction		849
6.8	Estimated daily E80 in the worst East lane		841
6.9	Estimated daily E80 in the worst West lane		849
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)

Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023

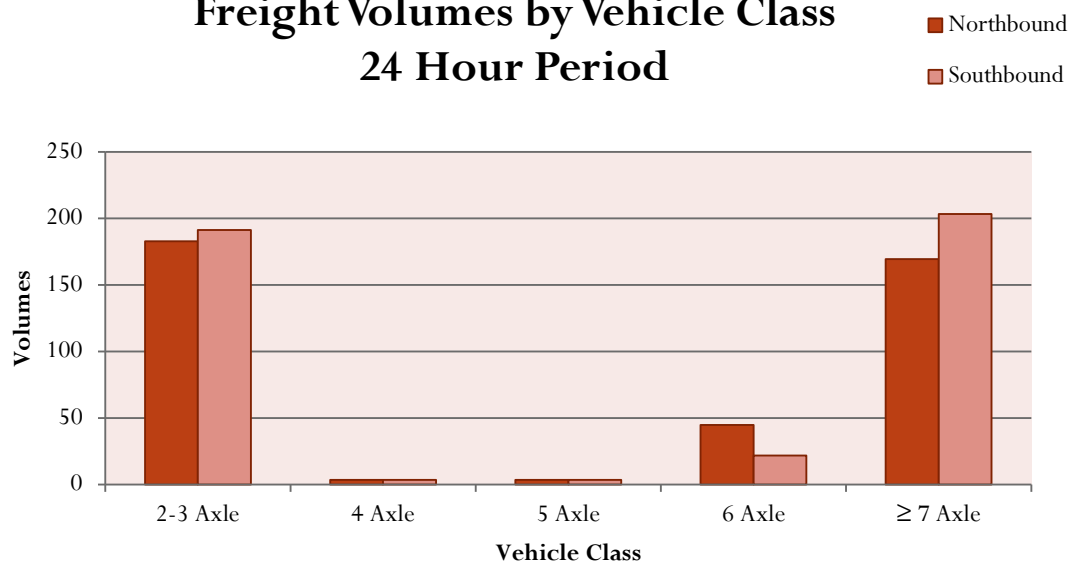
Freight Volumes by Vehicle Class 12 Hour Period



Dundee (R33 Dundee to Vryheid)

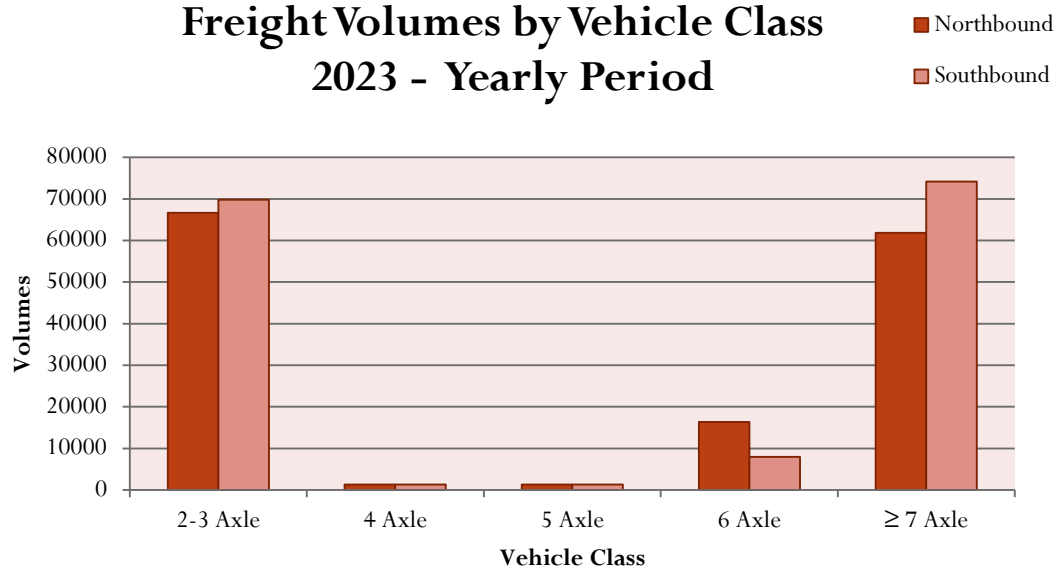
Date: 04-10-2023

Freight Volumes by Vehicle Class 24 Hour Period



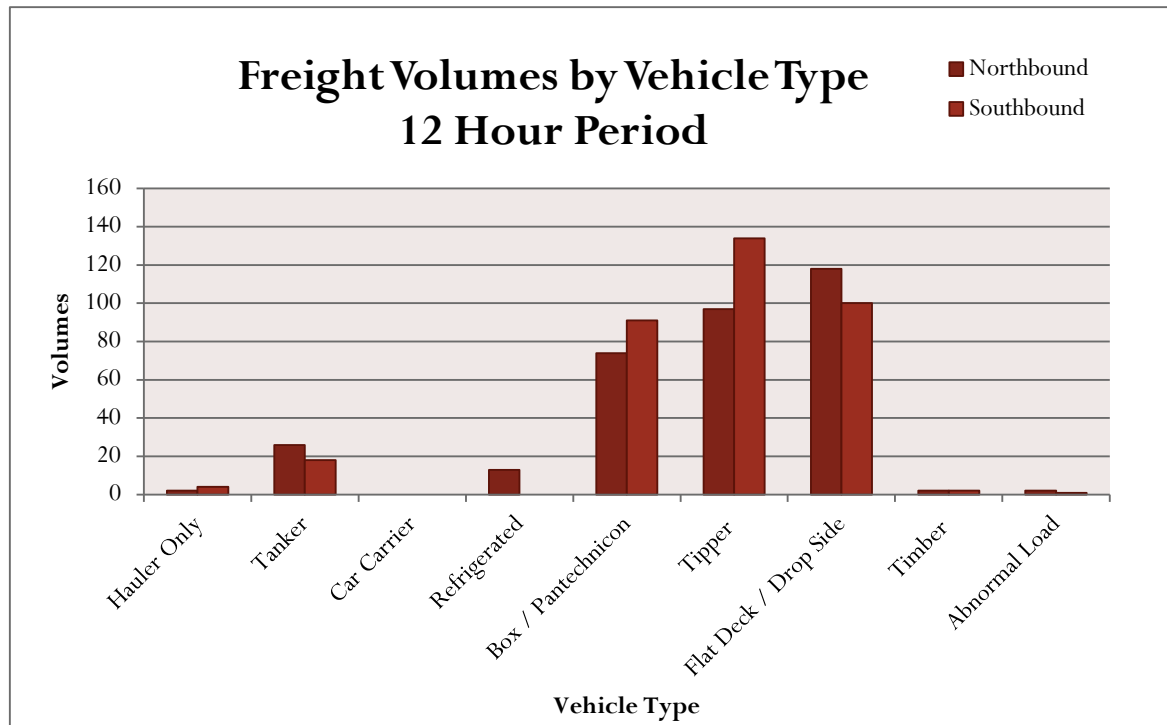
Dundee (R33 Dundee to Vryheid)

Freight Volumes by Vehicle Class 2023 - Yearly Period



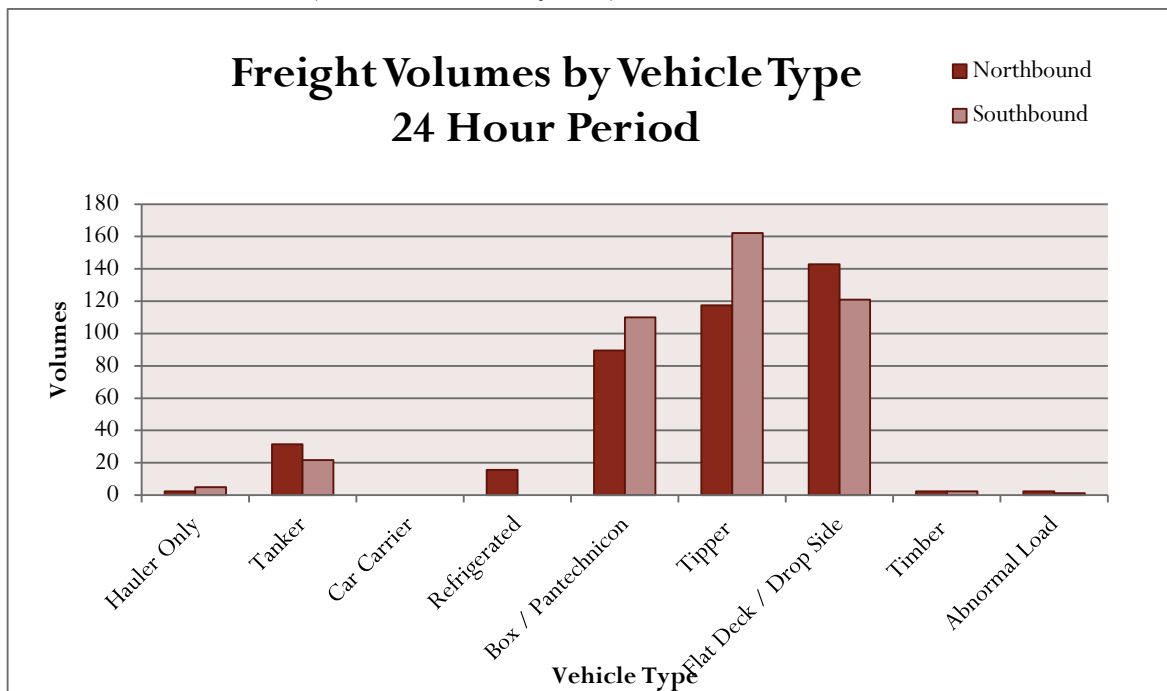
Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023

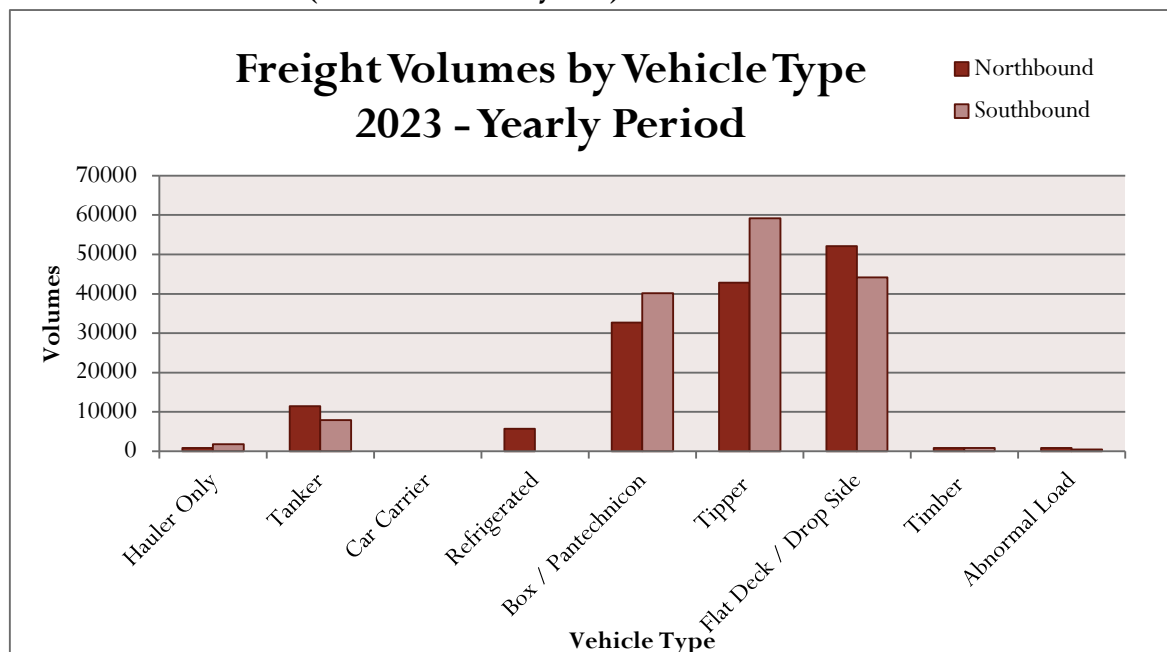


Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023



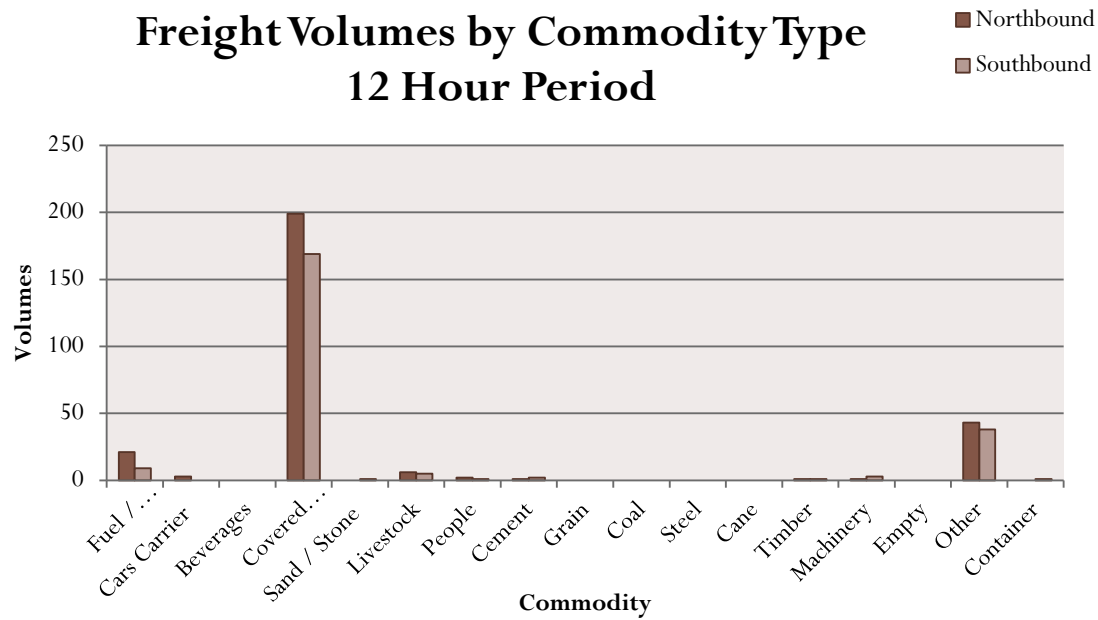
Dundee (R33 Dundee to Vryheid)



Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023

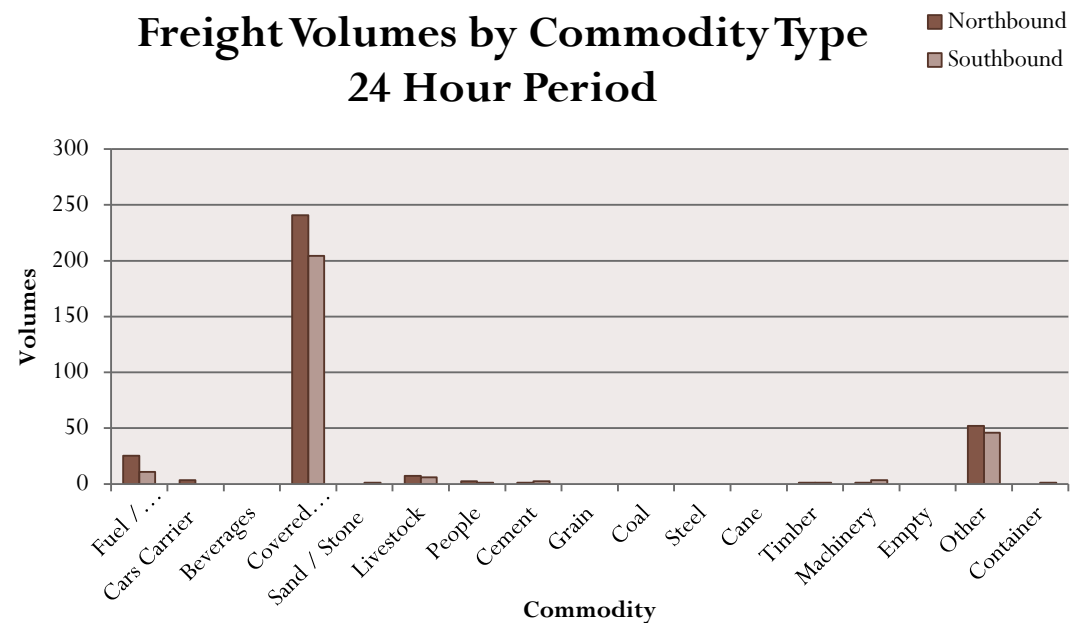
Freight Volumes by Commodity Type 12 Hour Period



Dundee (R33 Dundee to Vryheid)

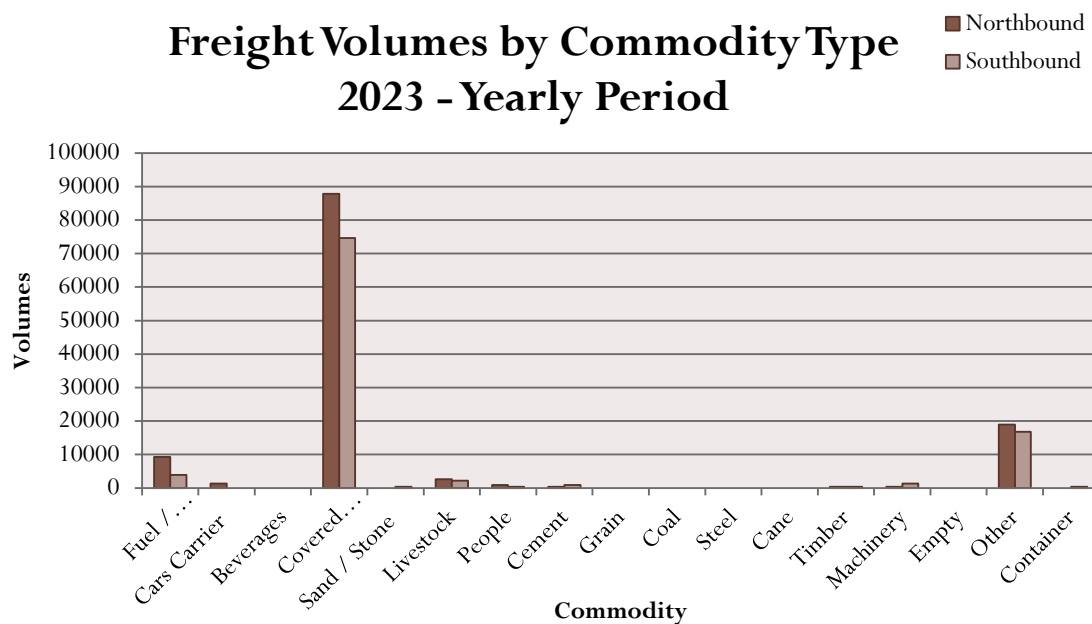
Date: 04-10-2023

Freight Volumes by Commodity Type 24 Hour Period



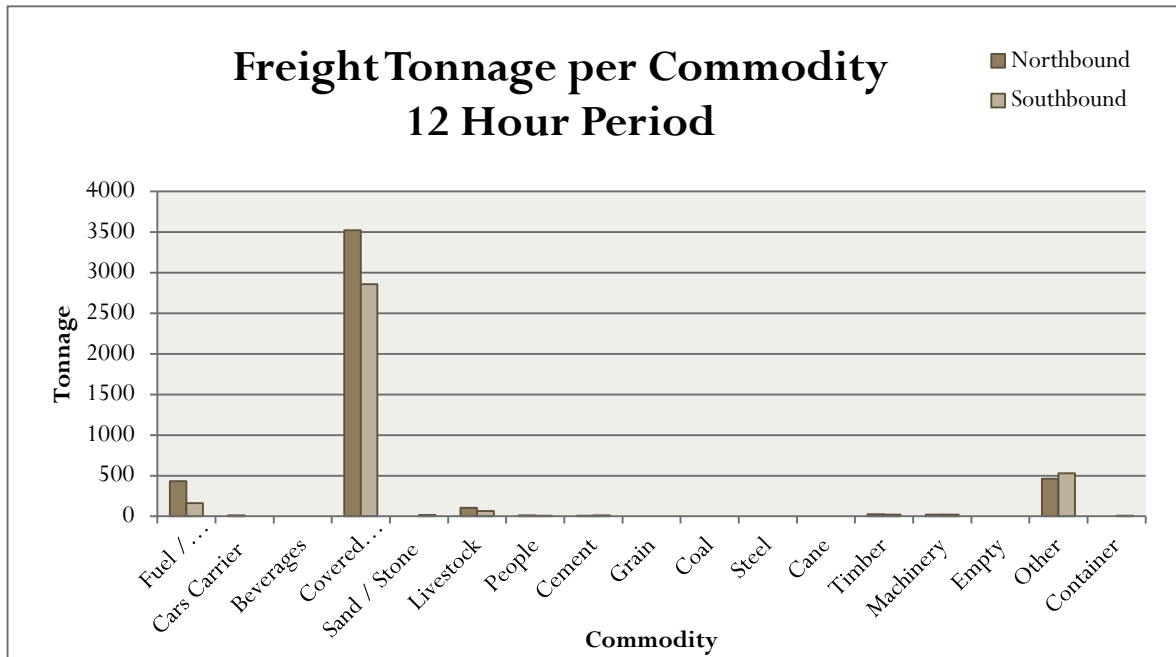
Dundee (R33 Dundee to Vryheid)

Freight Volumes by Commodity Type 2023 - Yearly Period



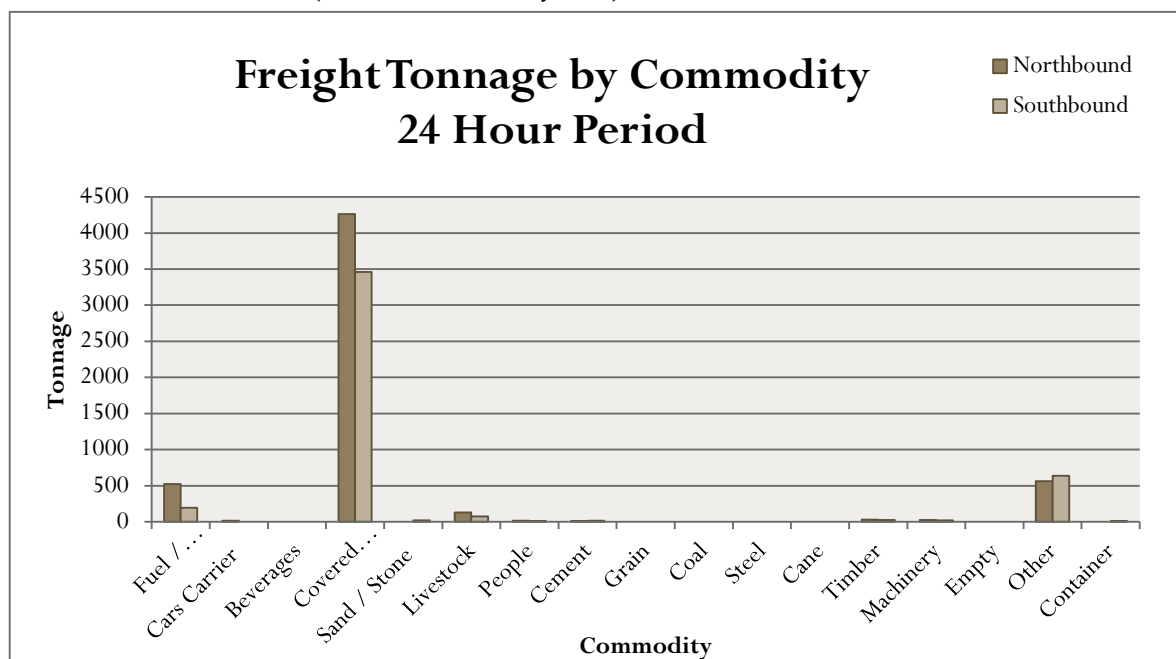
Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023

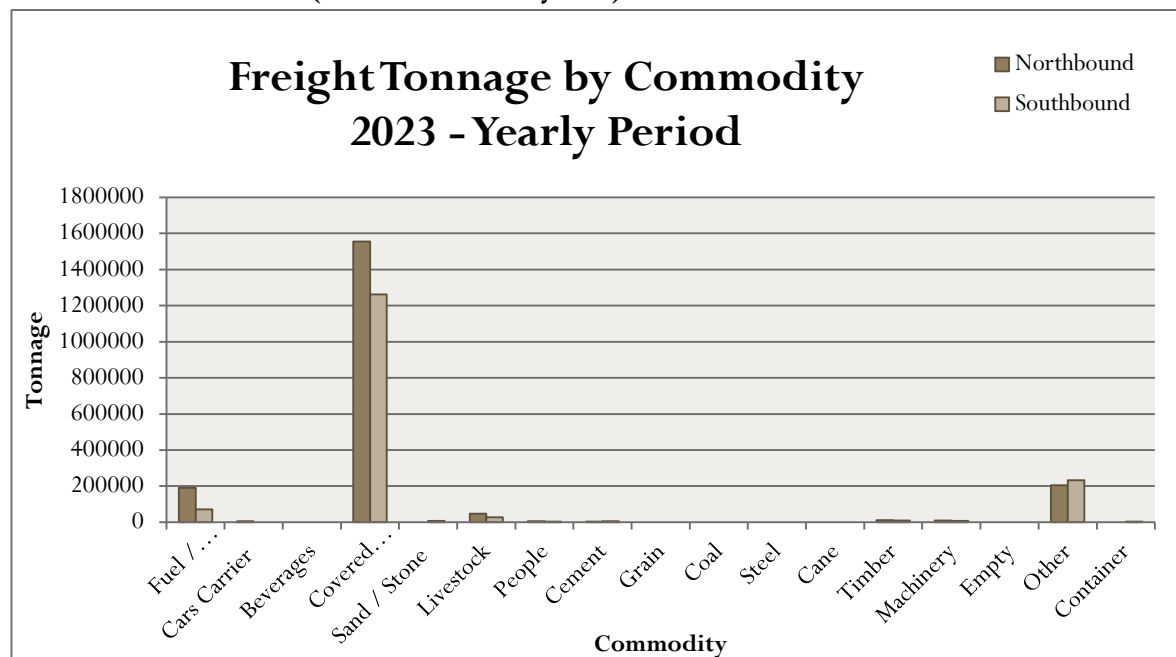


Dundee (R33 Dundee to Vryheid)

Date: 04-10-2023



Dundee (R33 Dundee to Vryheid)



Dundee (R33 Dundee to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 04-10-2023	
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	260	150	432	Fuel / Chemicals	12	0	0	100	50	162
Cars Carrier	12	0	0	0	0	12	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	438	0	30	180	2875	3523	Covered Load / Sail or Tarp	414	0	15	180	2250	2859
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	15	0	0	15
Livestock	6	0	15	60	25	106	Livestock	18	0	0	20	25	63
People	12	0	0	0	0	12	People	6	0	0	0	0	6
Cement	6	0	0	0	0	6	Cement	12	0	0	0	0	12
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	25	25	Timber	0	0	0	20	0	20
Machinery	0	0	0	20	0	20	Machinery	18	0	0	0	0	18
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	174	20	0	120	150	464	Other	462	0	15	0	50	527
Container	0	0	0	0	0	0	Container	6	0	0	0	0	6

Dundee (R33 Dundee to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 04-10-2023	
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	315	182	523	Fuel / Chemicals	15	0	0	121	61	196
Cars Carrier	15	0	0	0	0	15	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	530	0	36	218	3479	4263	Covered Load / Sail or Tarp	501	0	18	218	2723	3459
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	18	0	0	18
Livestock	7	0	18	73	30	128	Livestock	22	0	0	24	30	76
People	15	0	0	0	0	15	People	7	0	0	0	0	7
Cement	7	0	0	0	0	7	Cement	15	0	0	0	0	15
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	30	30	Timber	0	0	0	24	0	24
Machinery	0	0	0	24	0	24	Machinery	22	0	0	0	0	22
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	211	24	0	145	182	561	Other	559	0	18	0	61	638
Container	0	0	0	0	0	0	Container	7	0	0	0	0	7

Dundee (R33 Dundee to Vryheid)													
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	114829	66248	190793	Fuel / Chemicals	5300	0	0	44165	22083	71547
Cars Carrier	5300	0	0	0	0	5300	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	193443	0	13250	79497	1269744	1555933	Covered Load / Sail or Tarp	182843	0	6625	79497	993713	1262677
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	6625	0	0	6625
Livestock	2650	0	6625	26499	11041	46815	Livestock	7950	0	0	8833	11041	27824
People	5300	0	0	0	0	5300	People	2650	0	0	0	0	2650
Cement	2650	0	0	0	0	2650	Cement	5300	0	0	0	0	5300
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	11041	11041	Timber	0	0	0	8833	0	8833
Machinery	0	0	0	8833	0	8833	Machinery	7950	0	0	0	0	7950
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	76847	8833	0	52998	66248	204926	Other	204042	0	6625	0	22083	232750
Container	0	0	0	0	0	0	Container	2650	0	0	0	0	2650

Dundee (R33 Dundee to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)											Date: 04-10-2023		
East							West						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle	1					1
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						1

Dundee (R33 Dundee to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 04-10-2023	
East							West						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	1	0	0	0	0	1
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						1

Dundee (R33 Dundee to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
East							West						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	442	0	0	0	0	442
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						442