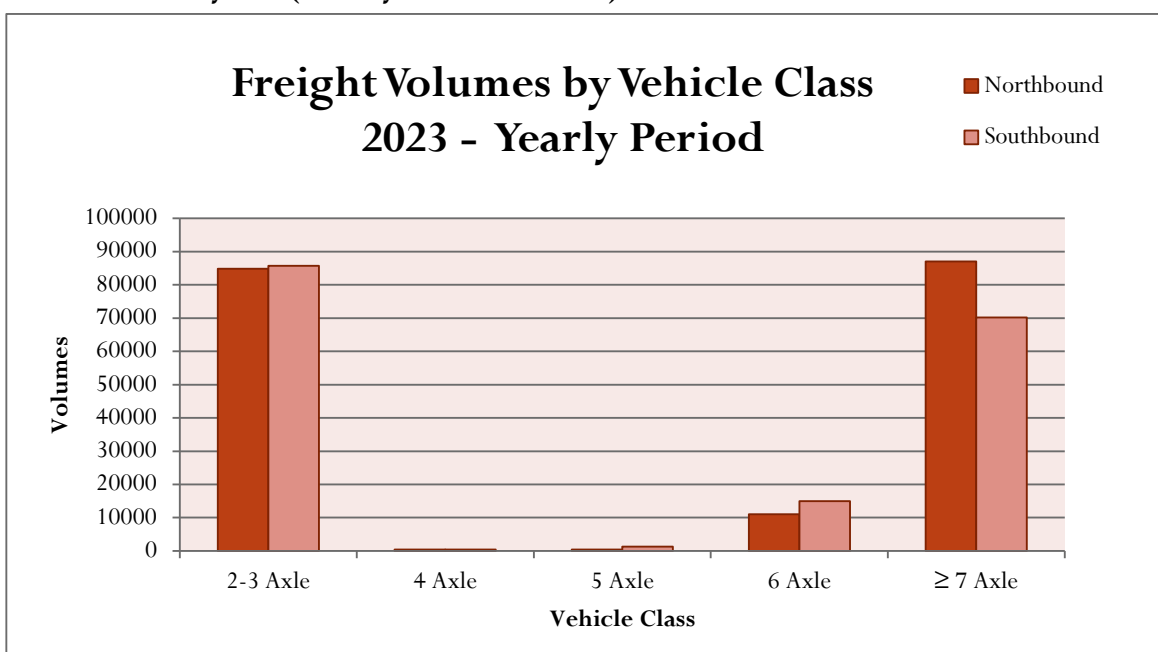
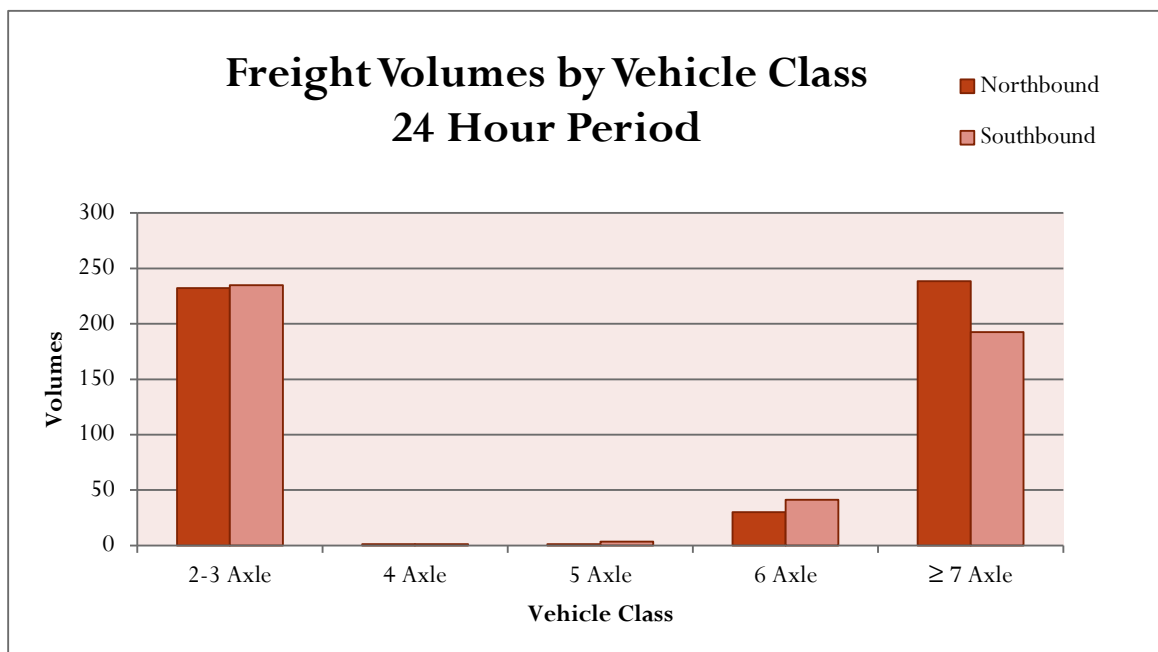
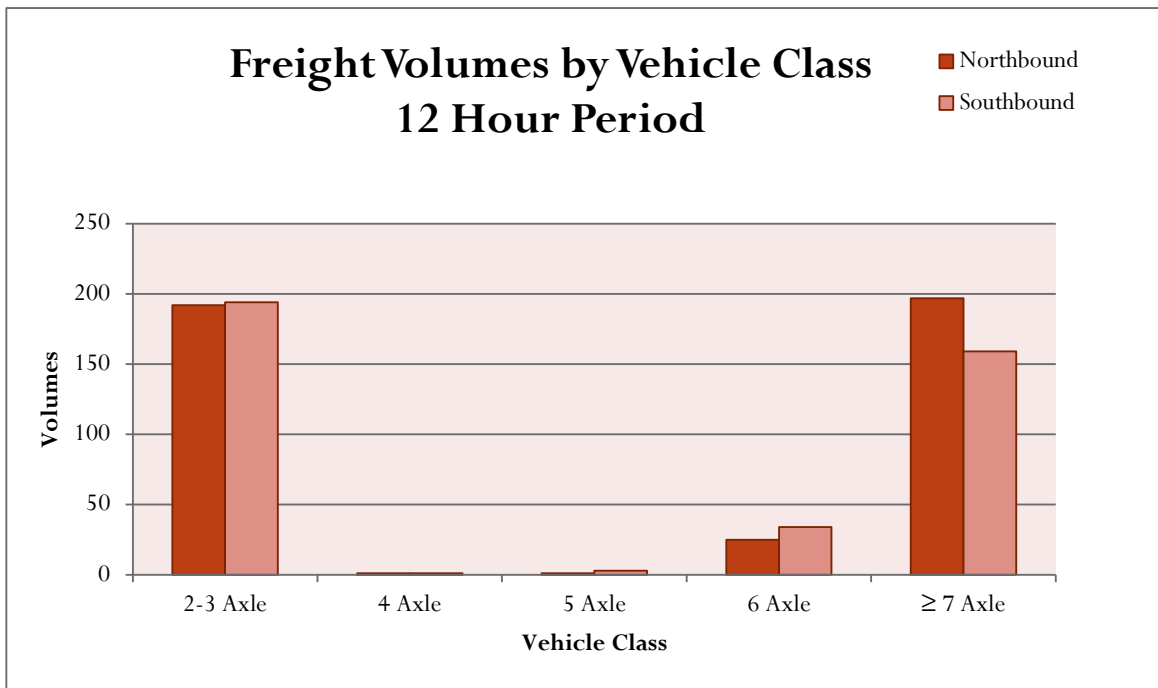
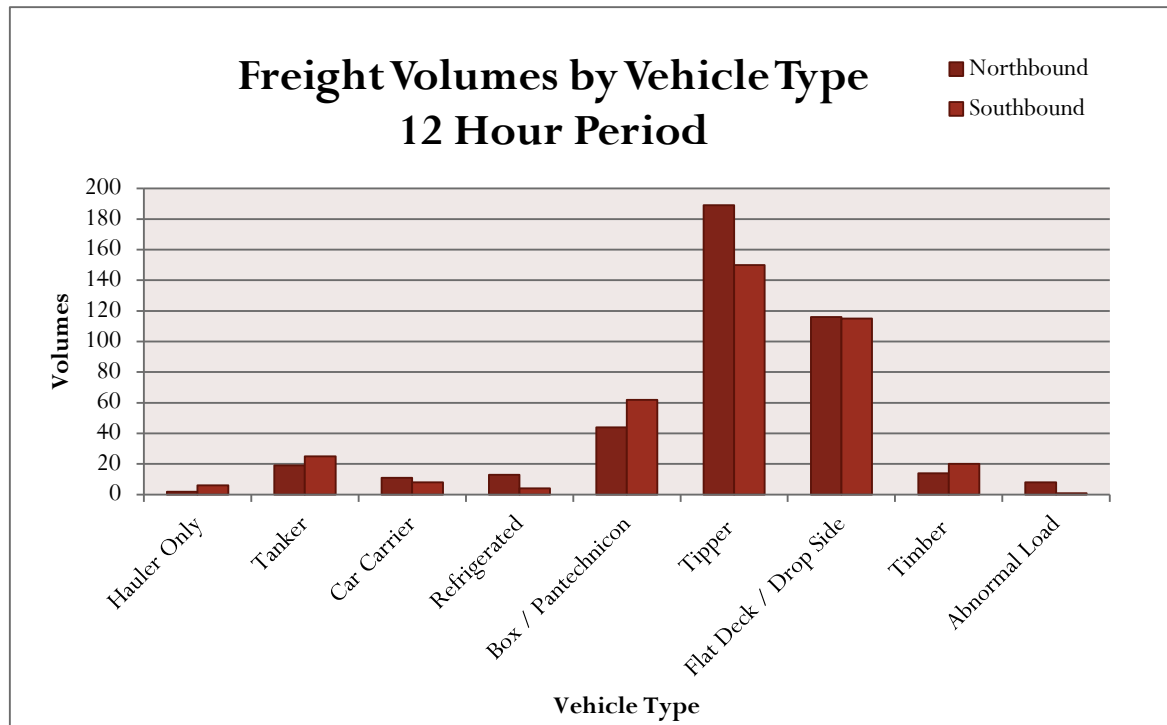


TRAFFIC HIGHLIGHTS OF SITE V12583				
1.1	Site Identifier	V12583		
1.2	Site Name	P47-1 Station 2		
1.3	Site Description	Segment 2		
1.4	Road Description	Route : Road : P47-1 Section : Distance : 0.0km		
1.5	GPS Position	30 49 34.7E -27 49 41.8S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary		
1.8	Requested Period	2021/04/06 - 2021/04/13		
1.9	Length of record requested (hours)	192		
1.10	Actual First & Last Dates	2021/04/06 - 2021/04/08		
1.11	Actual available good data (hours)	55		
1.12	Percentage good data available for requested period	28.9		
		To Vryheid	To Gelukstadt	Total
2.1a	Total number of vehicles (counted)	8370	7895	16265
2.1b	Total number of vehicles (projected for period)	28966	27322	56288
2.2	Average daily traffic (ADT)	3621	3415	7036
2.3	Average daily truck traffic (ADTT)	416	405	821
2.4	Percentage of trucks	11.5	11.9	11.7
2.5	Truck split % (short:medium:long)	39 : 32 : 29	41 : 32 : 27	40 : 32 : 28
2.6	Percentage of night traffic (20:00 - 06:00)	8.0	7.3	7.6
3.1	Speed limit (km/hr)			60
3.2	Average speed (km/hr)	87.0	86.8	86.9
3.3	Average speed - light vehicles (km/hr)	89.0	87.9	88.5
3.4	Average speed - heavy vehicles (km/hr)	72.1	78.3	75.1
3.5	Average night speed (km/hr)	86.2	90.2	88.0
3.6	15th centile speed (km/hr)	71.7	71.6	71.6
3.7	85th centile speed (km/hr)	106.0	101.9	103.9
3.8	Percentage vehicles in excess of speed limit	94.0	97.5	95.7
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0	3.8
4.2	Highest volume on the road (vehicles/hr)		2021/04/06 18:00:00	623
4.3	Highest volume in the North (vehs/hr)		2021/04/06 10:00:00	340
4.4	Highest volume in the South (vehs/hr)		2021/04/06 18:00:00	441
4.5	Highest volume in a lane (vehicles/hr)		2021/04/06 18:00:00	441
4.6	15th highest volume on the road (vehicles/hr)		2021/04/08 15:00:00	461
4.7	15th highest volume in the North direction (vehs/hr)		2021/04/06 17:00:00	226
4.8	15th highest volume in the South direction (vehs/hr)		2021/04/06 13:00:00	201
4.9	30th highest volume on the road (vehicles/hr)		2021/04/07 09:00:00	359
4.10	30th highest volume in the North direction (vehs/hr)		2021/04/07 13:00:00	182
4.11	30th highest volume in the South direction (vehs/hr)		2021/04/07 08:00:00	148
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	3329	3239	6568
6.2	Estimated average number of axles per truck	4.4	4.3	4.4
6.3	Estimated truck mass (Ton/truck)	25.8	25.2	25.5
6.4	Estimated average E80/truck	1.6	1.6	1.6
6.5	Estimated daily E80 on the road			1332
6.6	Estimated daily E80 in the North direction			682
6.7	Estimated daily E80 in the South direction			650
6.8	Estimated daily E80 in the worst North lane			682
6.9	Estimated daily E80 in the worst South lane			650
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)



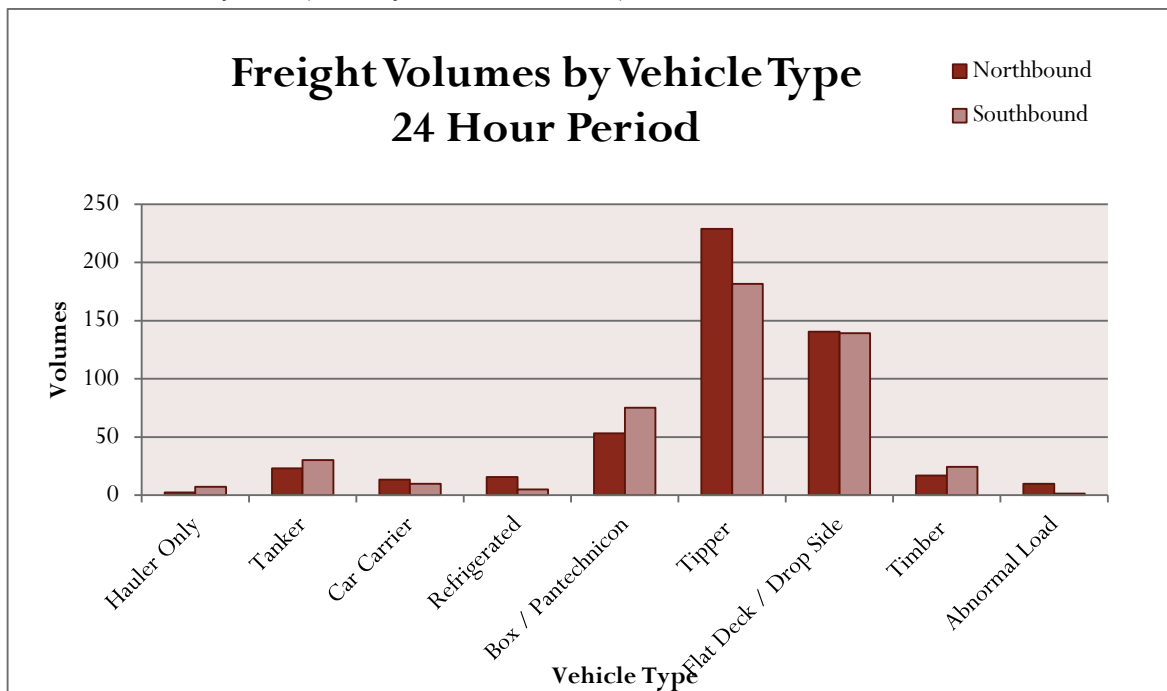
Vryheid (R34 Vryheid to Melmoth)

Date: 04-10-2023

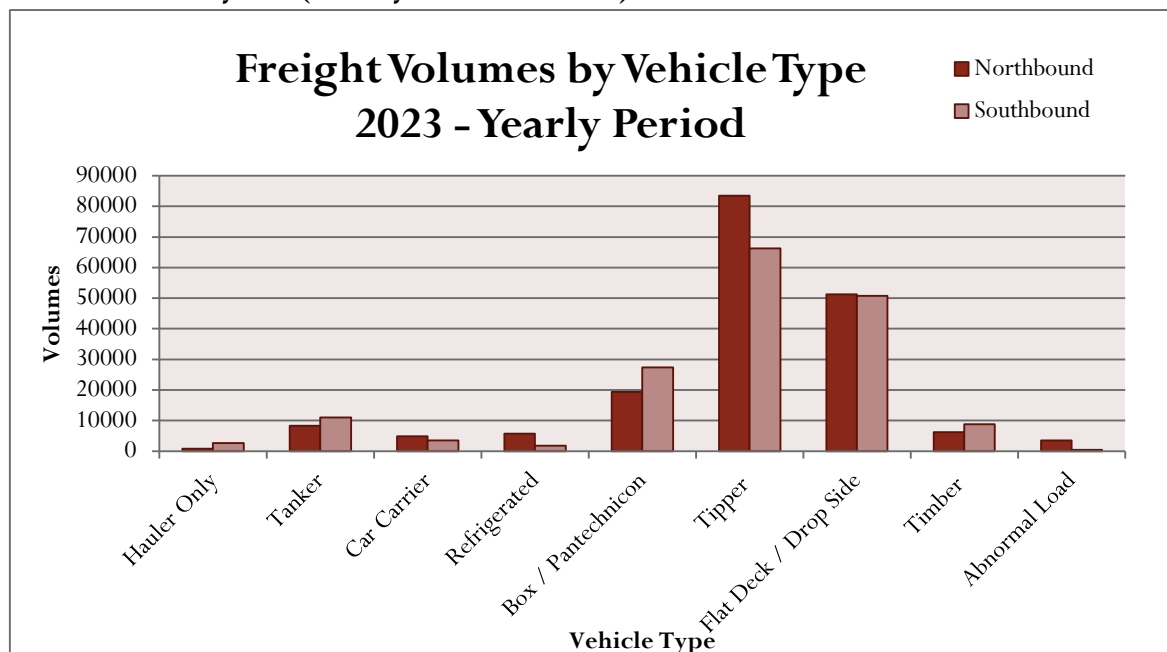


Vryheid (R34 Vryheid to Melmoth)

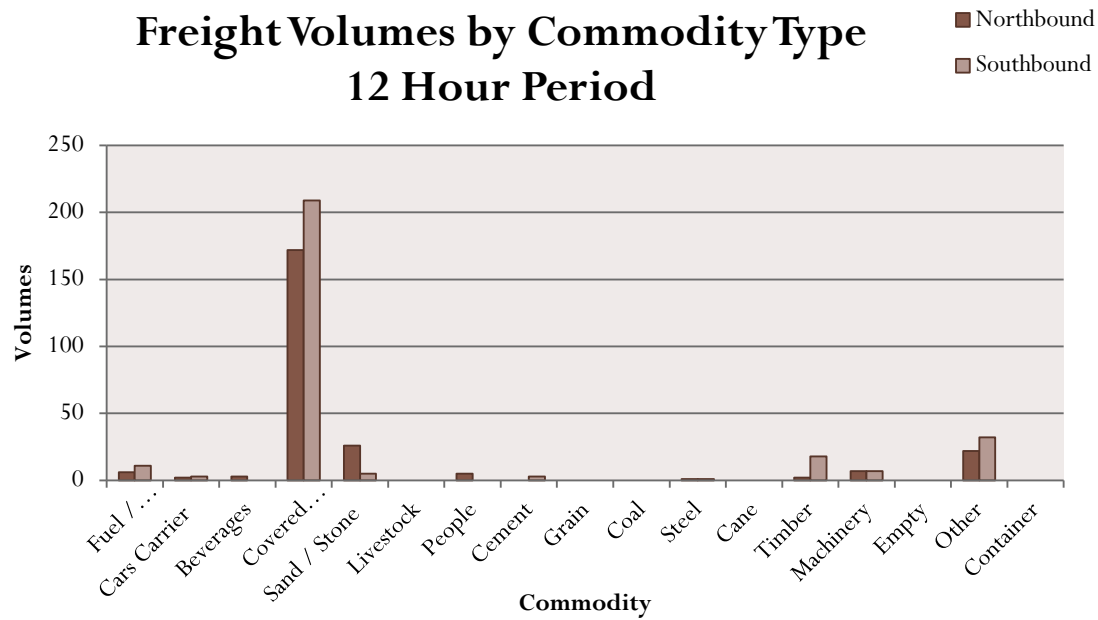
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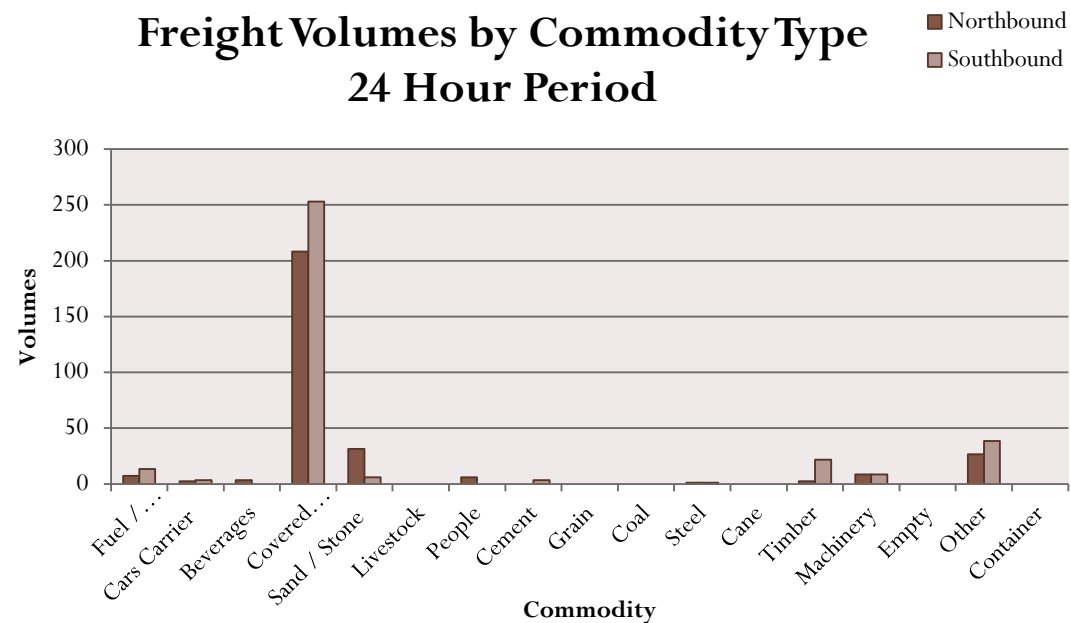
Vryheid (R34 Vryheid to Melmoth)



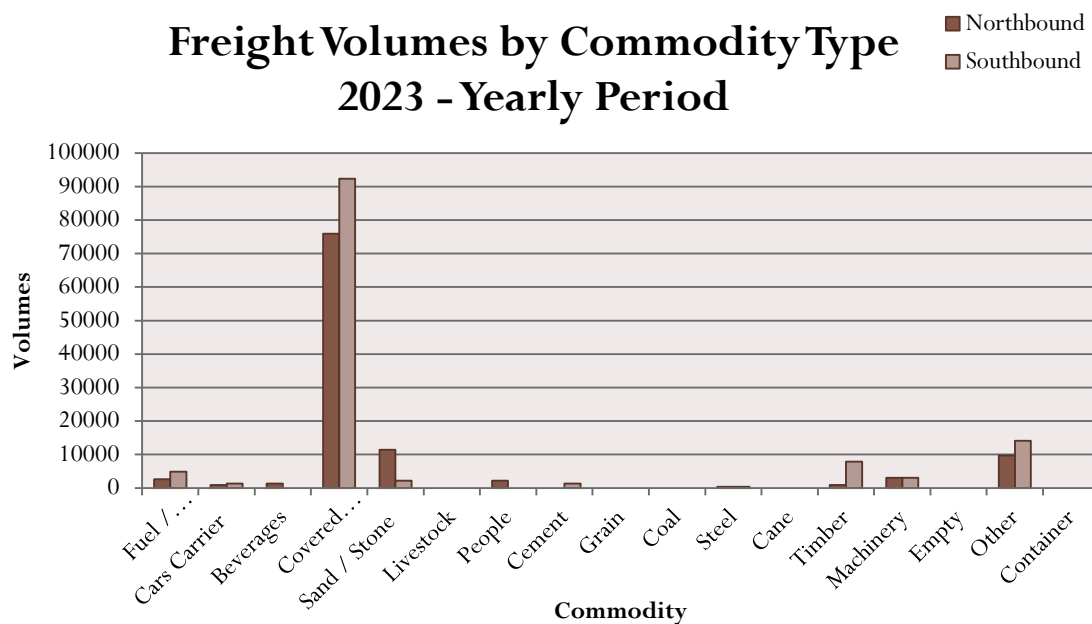
Freight Volumes by Commodity Type 12 Hour Period



Freight Volumes by Commodity Type 24 Hour Period

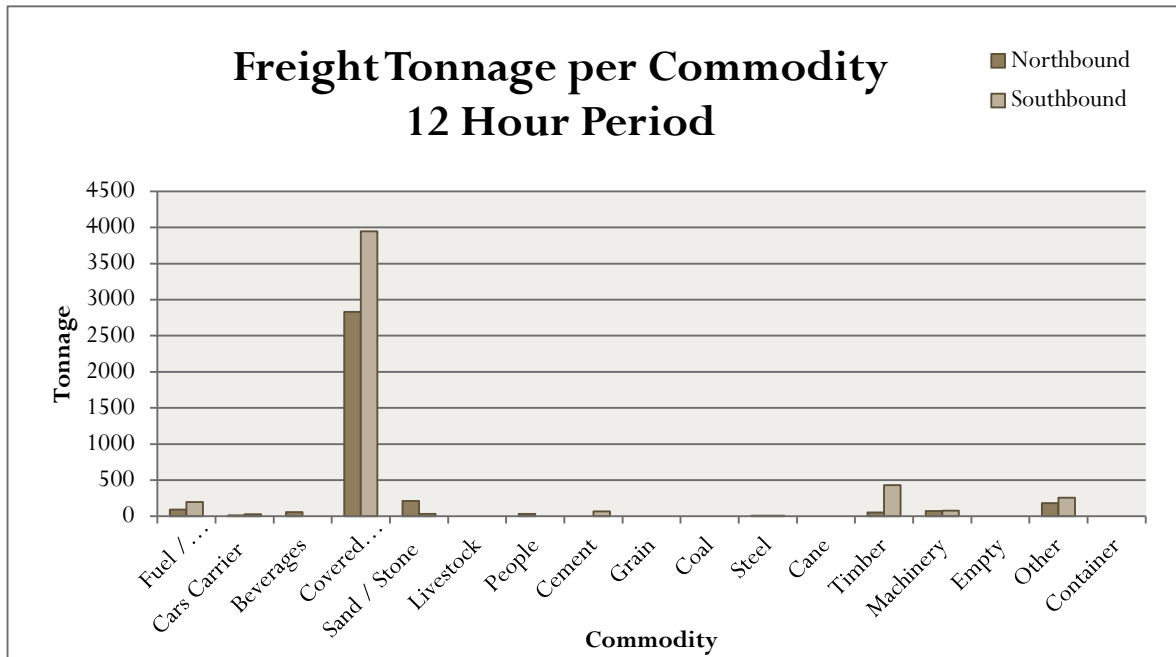


Freight Volumes by Commodity Type 2023 - Yearly Period



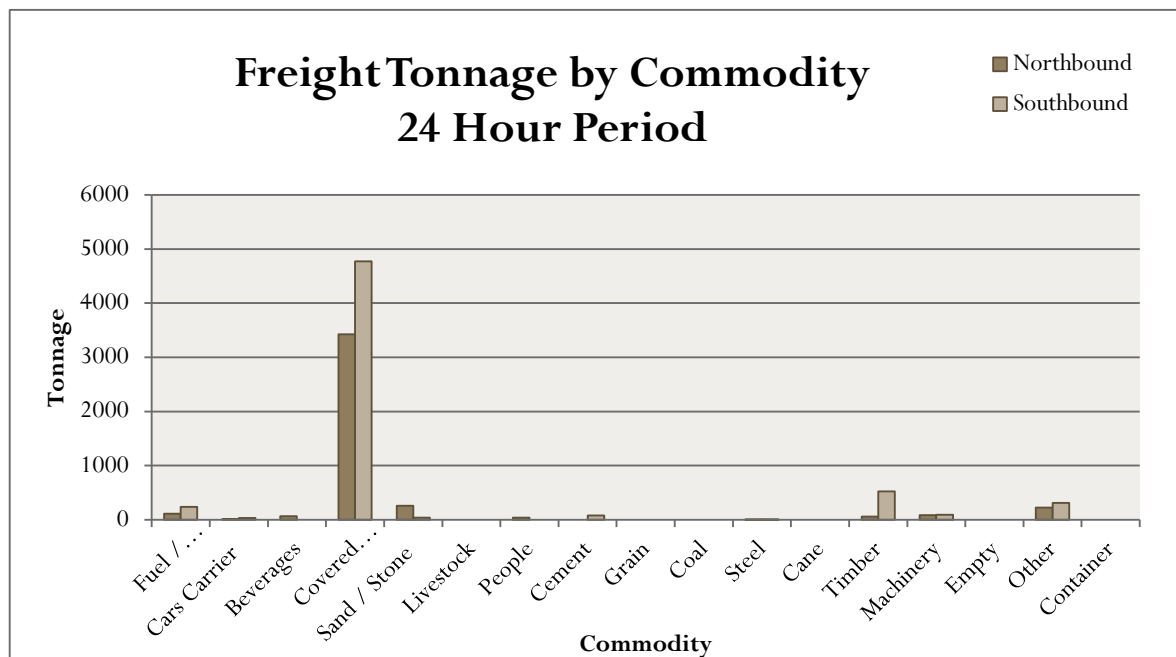
Vryheid (R34 Vryheid to Melmoth)

Date: 04-10-2023

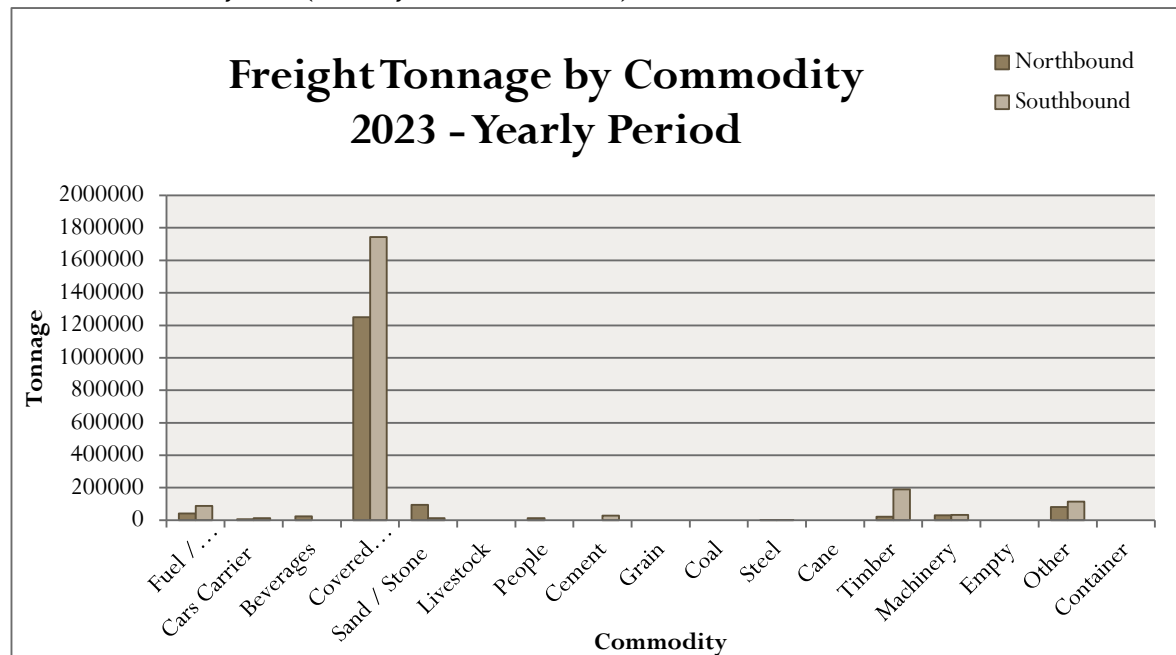


Vryheid (R34 Vryheid to Melmoth)

Date: 04-10-2023



Vryheid (R34 Vryheid to Melmoth)



Vryheid (R34 Vryheid to Melmoth)													
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	0	0	80	0	92	Fuel / Chemicals	12	0	0	160	25	197
Cars Carrier	12	0	0	0	0	12	Cars Carrier	12	0	15	0	0	27
Beverages	6	0	0	0	50	56	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	450	0	15	140	2225	2830	Covered Load / Sail or Tarp	372	10	30	260	3275	3947
Sand / Stone	132	0	0	80	0	212	Sand / Stone	30	0	0	0	0	30
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	30	0	0	0	0	30	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	40	25	65
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	6	0	0	0	0	6	Steel	6	0	0	0	0	6
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	50	50	Timber	6	0	0	0	425	431
Machinery	30	0	0	40	0	70	Machinery	30	0	0	20	25	75
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	114	0	0	20	50	184	Other	168	0	0	40	50	258
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Vryheid (R34 Vryheid to Melmoth)													
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	0	0	97	0	111	Fuel / Chemicals	15	0	0	194	30	238
Cars Carrier	15	0	0	0	0	15	Cars Carrier	15	0	18	0	0	33
Beverages	7	0	0	0	61	68	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	545	0	18	169	2692	3424	Covered Load / Sail or Tarp	450	12	36	315	3963	4776
Sand / Stone	160	0	0	97	0	257	Sand / Stone	36	0	0	0	0	36
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	36	0	0	0	0	36	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	48	30	79
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	7	0	0	0	0	7	Steel	7	0	0	0	0	7
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	61	61	Timber	7	0	0	0	514	522
Machinery	36	0	0	48	0	85	Machinery	36	0	0	24	30	91
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	138	0	0	24	61	223	Other	203	0	0	48	61	312
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Vryheid (R34 Vryheid to Melmoth)													
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	0	0	35332	0	40632	Fuel / Chemicals	5300	0	0	70664	11041	87005
Cars Carrier	5300	0	0	0	0	5300	Cars Carrier	5300	0	6625	0	0	11925
Beverages	2650	0	0	0	22083	24732	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	198743	0	6625	61831	982671	1249870	Covered Load / Sail or Tarp	164294	4417	13250	114829	1446404	1743193
Sand / Stone	58298	0	0	35332	0	93630	Sand / Stone	13250	0	0	0	0	13250
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	13250	0	0	0	0	13250	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	17666	11041	28707
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	2650	0	0	0	0	2650	Steel	2650	0	0	0	0	2650
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	0	22083	22083	Timber	2650	0	0	0	187701	190351
Machinery	13250	0	0	17666	0	30916	Machinery	13250	0	0	8833	11041	33124
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	50348	0	0	8833	22083	81264	Other	74197	0	0	17666	22083	113946
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Vryheid (R34 Vryheid to Melmoth) Twenty Foot Equivalent Unit (TEU) (12 Hours)														Date: 04-10-2023
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						0	
≥ 7 Axle						0	≥ 7 Axle						0	
TOTAL						0	TOTAL						0	

Vryheid (R34 Vryheid to Melmoth) Twenty Foot Equivalent Unit (TEU) (24 Hours)														Date: 04-10-2023
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	0	0	0	
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0	
TOTAL						0	TOTAL						0	

Vryheid (R34 Vryheid to Melmoth) 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	0	0	0	
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0	
TOTAL						0	TOTAL						0	