



Western Cape
Government

DISTRICT SAFETY PLAN

Overberg

Civic Centre
George

NR Arendse

15 October 2019

Introduction – DSPs and the Western Cape Road Safety Situation

Average around 1,400 people killed on Western Cape roads each year:

- **Average 3 to 4 people killed per day.**
- **Estimated 17 people seriously injured per day. Estimated 57 people injured per day (CSIR estimates).**
- **Based on CSIR cost of crashes study, approximate economic burden in WC is R26,937,398 per day. Over R9b per annum**
- **Most of the cost is in loss of earnings – so hits local economies the hardest**

Caledon “District Safety Plan” (DSP) pilot launched October 2016.

Twelve months after implementation: 29.7% reduction in fatalities in the region.

Background

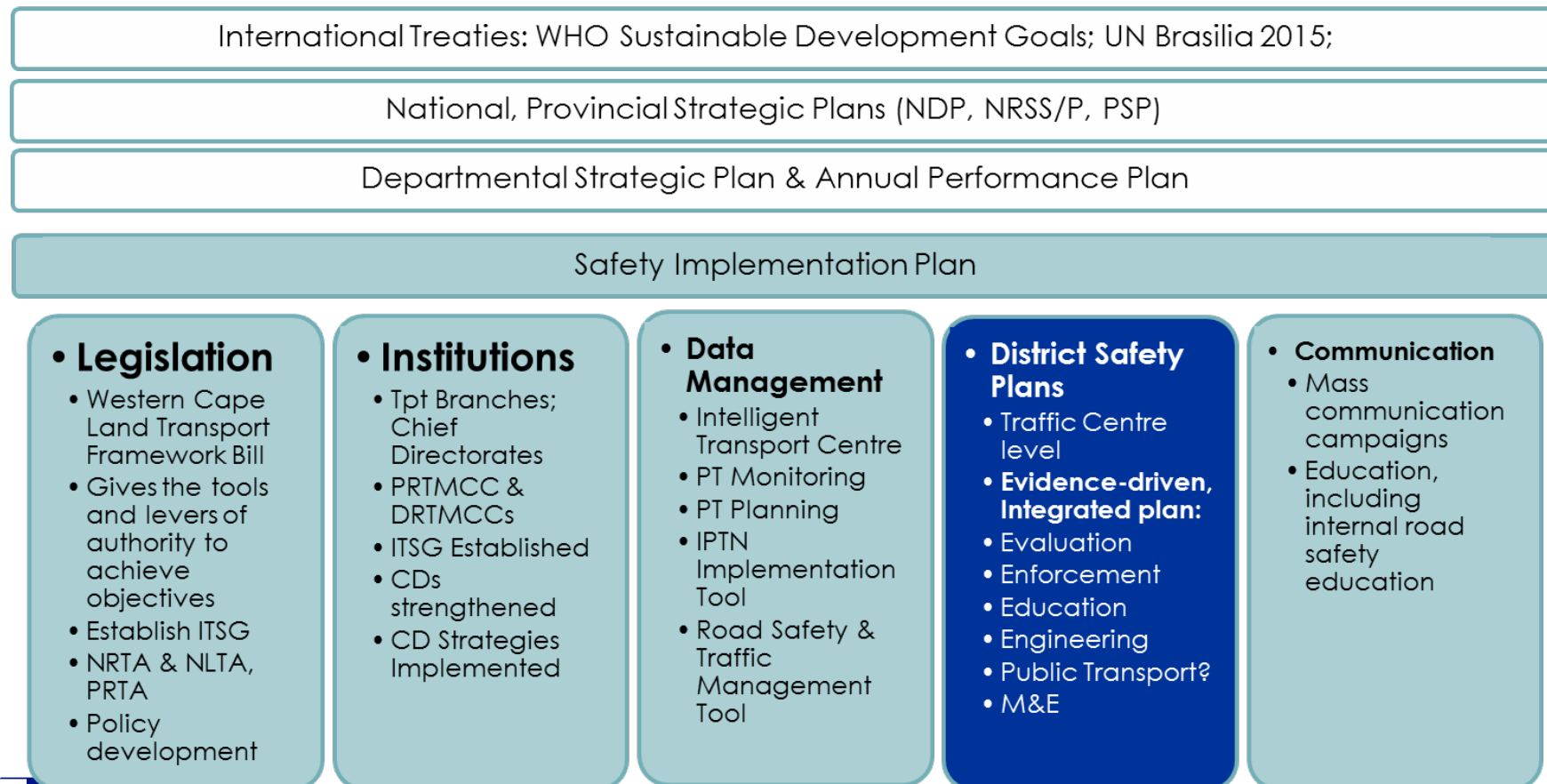
Recognizing that the existing crash levels on our roads represent a major impediment to the socio-economic development of the Western Cape, the Transport Branch of the Department of Transport & Public Works has adopted a vision of zero fatalities and serious injuries on Western Cape roads.

Together with its partners in all three spheres of government, the Branch has conducted a process to develop a District Safety Plan in the Caledon Traffic Centre area of operations.



Background

Background – The Safety Implementation Plan Concept



Vision Zero and the Safe System

Jurisdictions where “safe system” road safety strategies have been adopted which include targets of ZERO fatalities and/or serious injuries:

Sweden

Northern Ireland

Edmonton; Canada

London, Bristol, Brighton, Blackpool; UK

New York, Boston, Los Angeles, Washington, Seattle, Austin etc; USA

Mexico City; Mexico

No-one should be killed or seriously injured while using the road network.

We know that people will make mistakes. We can minimize the number of mistakes, and the impact of those mistakes through a “safe system” – this can ultimately mean zero deaths or serious injuries.

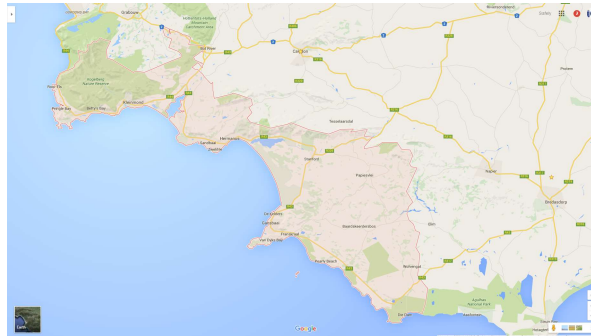
Operational Environment: Area of Operations



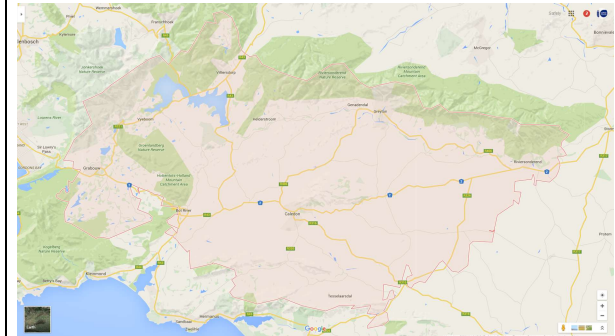
Cape Agulhas



Overstrand



Theewaterskloof



Operational Environment: People

Cape Agulhas		<u>Overstrand</u>		<u>Theewaterskloof</u>	
Group	Percentage	Group	Percentage	Group	Percentage
Black African	11,5% (5.6%)	Black African	36,2% (27.1%)	Black African	26,4% (22.7%)
Coloured	65,6% (68.2%)	Coloured	31% (37.3%)	Coloured	62,9% (65.8%)
Indian/Asian	0,3% (0.1%)	Indian/Asian	0,3% (0.1%)	Indian/Asian	0,4% (0.2%)
White	21,6% (26%)	White	31,2% (35.6%)	White	9,4% (11.3%)
Other	0,9%	Other	1,2%	Other	0,9%
Language	Percentage	Language	Percentage	Language	Percentage
Afrikaans	83,3% (91.6%)	Afrikaans	52% (62.1%)	Afrikaans	70,7% (76.6%)
English	5,5% (3.8%)	English	11,9% (11.4%)	English	3,7% (2.7%)
IsiXhosa	5,9% (4.1%)	IsiXhosa	28,4% (24.5%)	IsiXhosa	16,2% (17.3%)

Operational Environment: People (education)

2. Education

		Learner Enrolment		Dropout rate		Learner-teacher ratio		Total Schools	Prop no-fee		FET Colls	Schools w/ libraries	
Region	Literacy	2013 (Gr 1-12+LSEN)	ASS 2014	Average Dropout Rate	Crude dropout rate (2013 - Gr 10; 2015 - Gr 12)	Average learner-teacher ratio 2012	ASS 2014; All state, SGB, sub teachers (ex practitioners)		2012	2014	2014	2012	2014
Western Cape	87.2	987972	964840	35.6%	31.0%	36.4	29.9	1587	ND	55.8	289	1093	1016
Overberg	81.1	40746	39542	36.9%	29.8%	33.4	30.3	244	ND	26.6	58	141	135
Cape Agulhas	81.1	4621	4527	37.9%	23.7%	28.1	28.8	10	80	80	5	7	6
Overstrand	87.5	11866	11118	49.5%	32.3%	25.5	31.4	17	70.68	70.6	6	16	13
Theewaterskloof	78.4	18488	18245	40.8%	31.3%	27.5	30.3	38	73.68	81.6	16	26	26
TC Caledon Totals		34975	29363					65			27	49	45

Operational Environment: People (alcohol)

4. Alcohol – Number of Active Alcohol Licenses

Region	Persons	Companies	Total	Population	Ratio
Western Cape	2617	5411	8028	6 195 138	129.59
Overberg	250	459	709	277087	255.88
Cape Agulhas	41	14	55	34698	158.51
<u>Overstrand</u>	98	180	278	88232	315.08
<u>Theewaterskloof</u>	81	155	236	116231	203.04
TC Caledon Totals	220	395	615	239161	257.15

Operational Environment: People (social challenges)

Expansion of informal settlements in the Overberg district as a whole

The high unemployment rate contributes to criminal activities

Lack of sustainable facilities for the youth

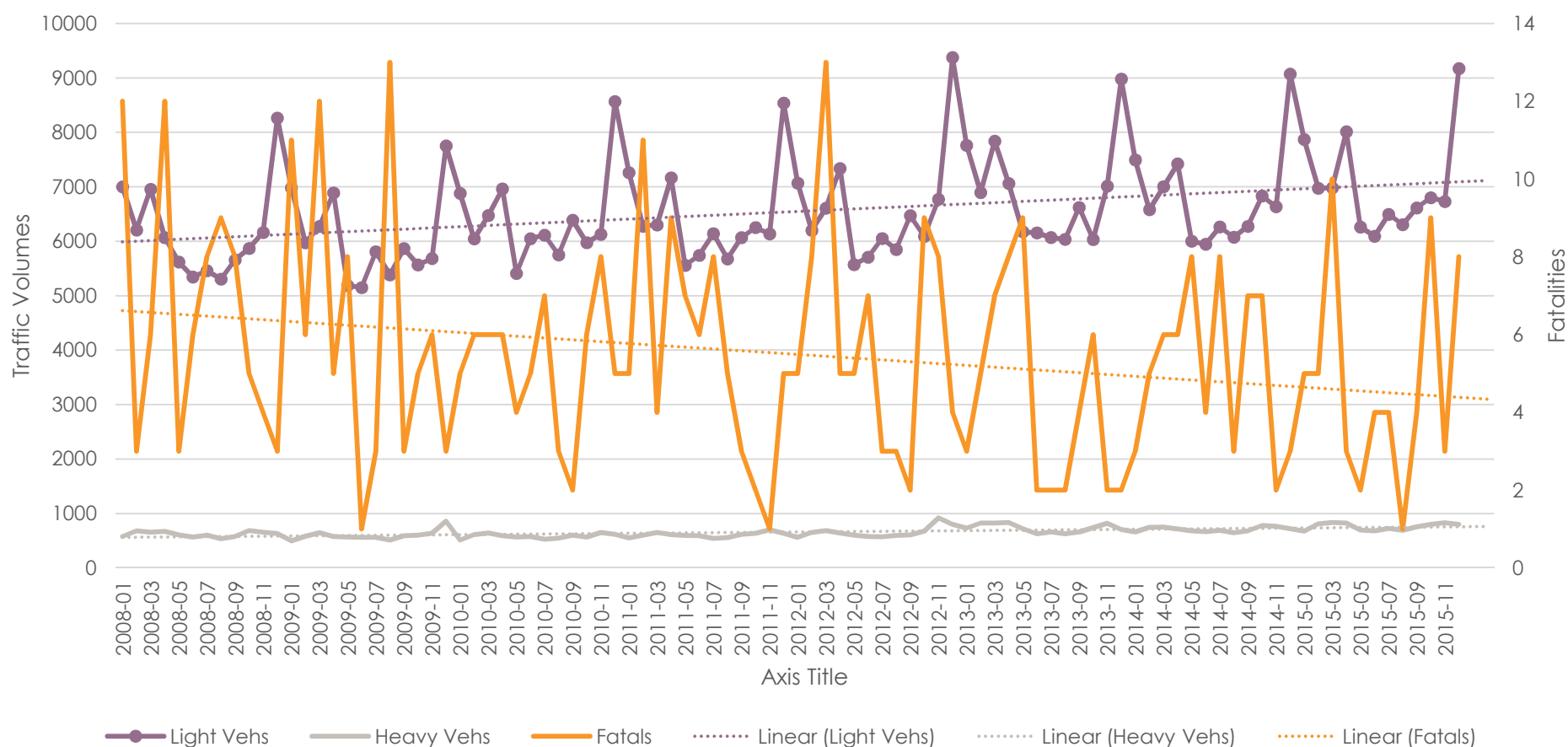
Lack of places of safety/shelter for the homeless is a major concern

Operational Environment: Roads (inventory)

Road Inventory Summary, Traffic Centre Caledon Area of Responsibility			
Road Type	Total Length	Effective Length	Actual
National Roads	241.63	164.19	104.31
Trunk Roads	519.78	311.32	253.41
Main Roads	572.60	437.37	356.69
Divisional Roads	1505.27	1138.40	1048.13
Minor Roads	1265.81	1190.84	1161.68
Totals	4105.9	3242.12	2924.22
Definitions	Total proclaimed road length	Physical road length	Physical road length in area

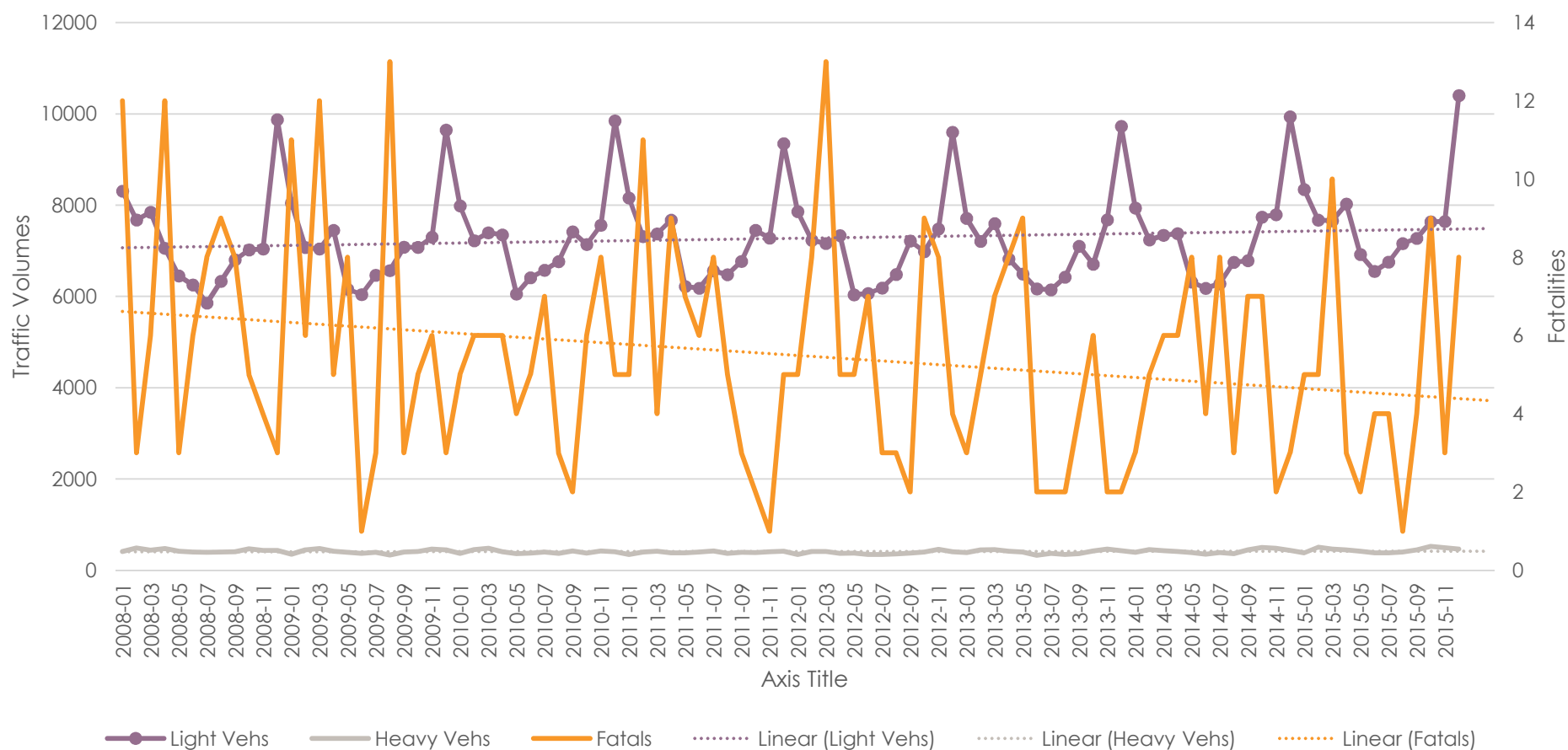
Operational Environment: Roads (traffic volumes)

Traffic Volume N2 (PCS 279; Dassiesfontein), 2008 – 2015, Light, Heavy VS All
Fatalities, Traffic Centre Caledon



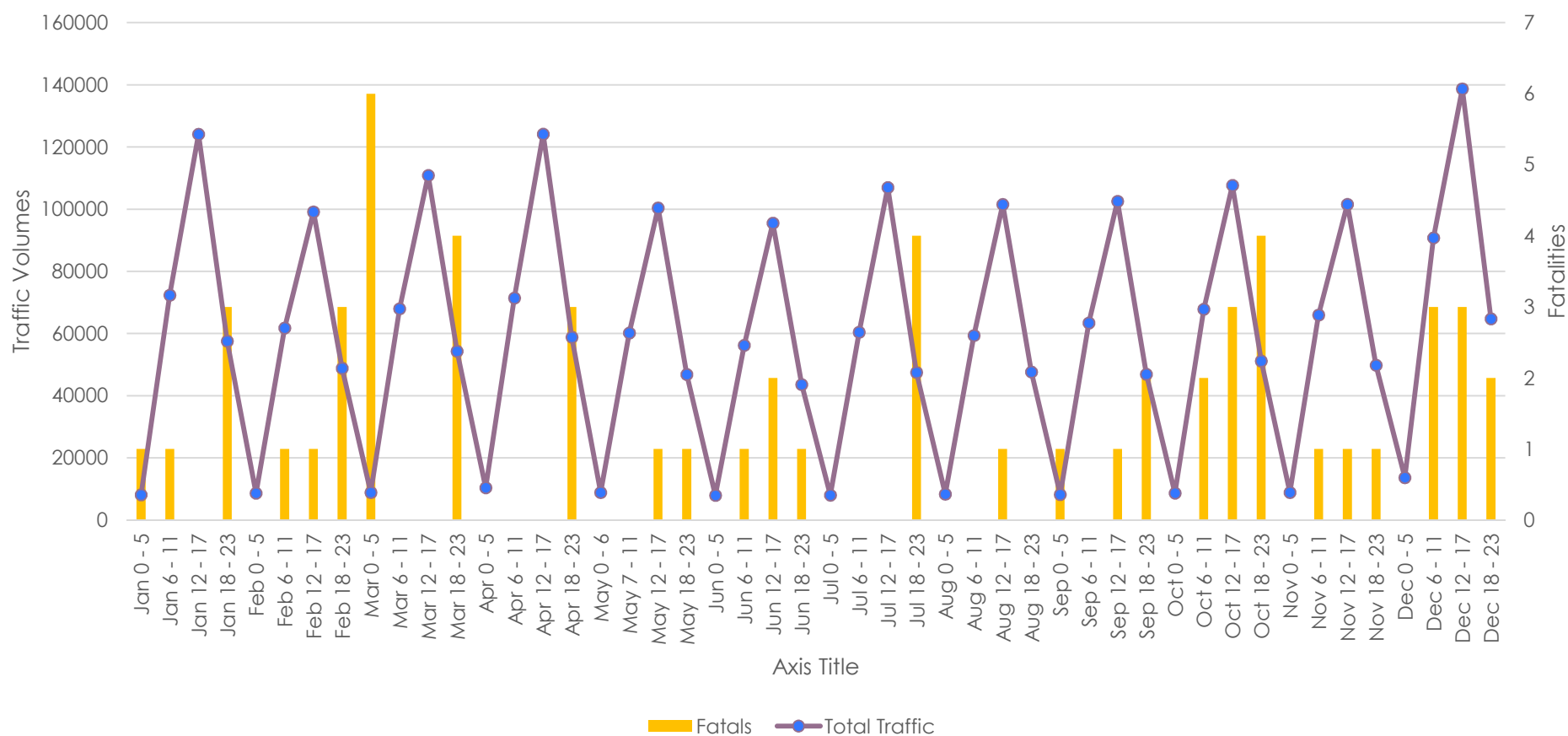
Operational Environment: Roads (traffic volumes)

Traffic Volume R43 (PCS 5017; TR 02801), 2008 – 2015, Light, Heavy
VS All Fatalities, Traffic Centre Caledon



Operational Environment: Roads (traffic volumes)

Traffic Volume N2 (PCS 279; Dassiesfontein), 2015, Month and Day Part vs Fatalities



Operational Environment: Law Enforcement Resources

	Officers	Students	Admin Staff	Other Staff	Marked Vehicles	Unmarked	Other Vehicles	Vehicle Testing Stations	DLTC	Pounds	Speed equipment	Screener	Other equipment	Traffic cones
Caledon Traffic Centre (vacant unfunded)	22 (6)		2 (1)	1	20	3	0	0	0	0	1 PROLAZER 3 ASOD Handheld devices 1 ASOD Laptop	15		50
Road Safety Management			0(3)		1									
Cape Agulhas	12	13	8	10	5	4	3	1	1	1 Anima Pound	1 Speed Equipment	0	5 Hand Radios	
Overstrand	12	9 Wardens	4	25	13	10	5	1	1	1		4	14 Hand Radios	50
Theewaterskloof	17		18	2	12	2	1	1	3	1 Anima Pound	1 ANPR 5 Speed Cameras	4	1 Roadblock Trailer	
TOTALS (TRAFFIC)	63	22	32	38	46	19	9	3	5	4	12	23	20	100

Operational Environment: Key Challenges

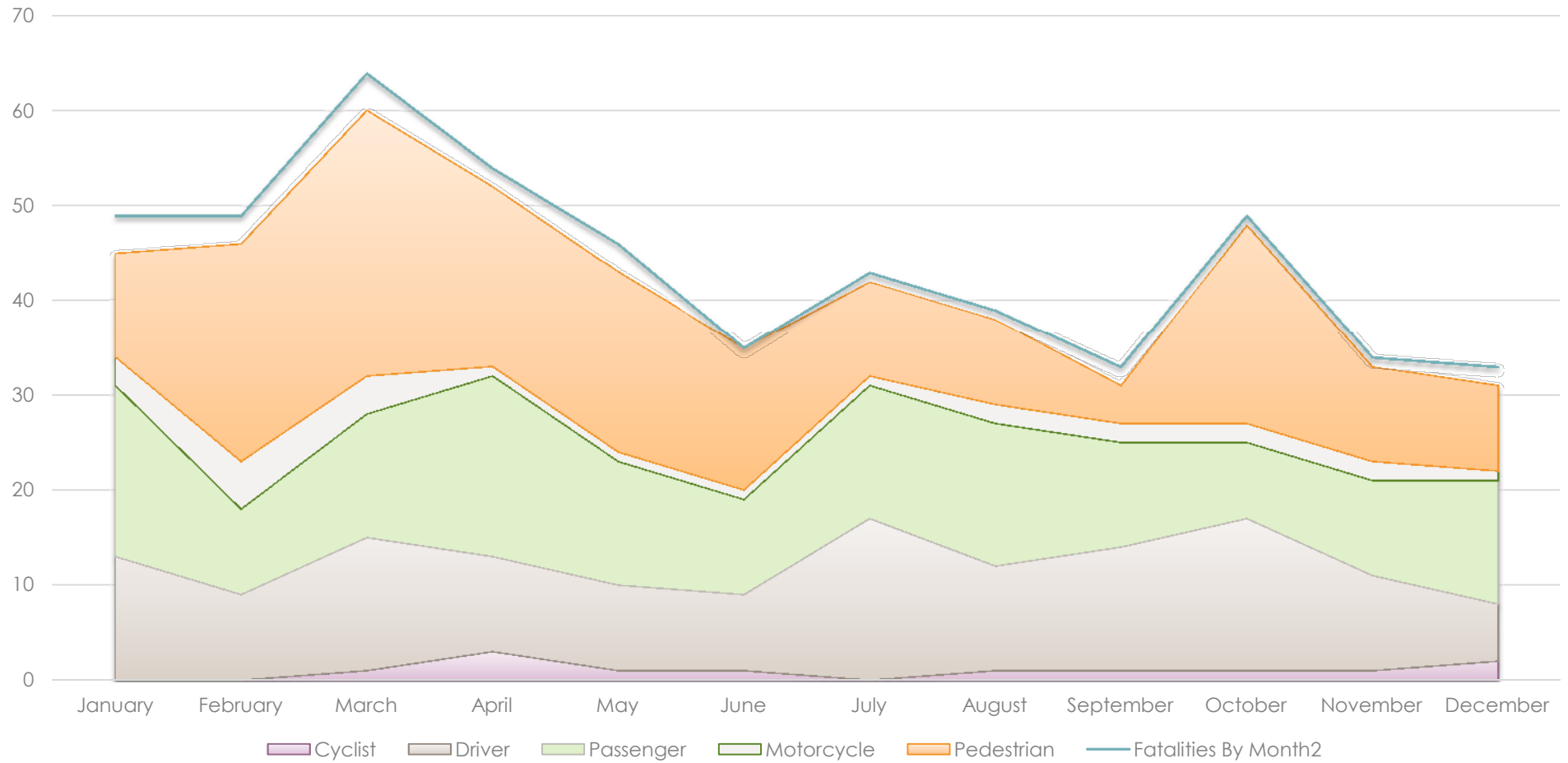
- The N2 is the direct link between Cape Town and the Eastern Cape, which carries a high volume of public transport
- Local public transport links (Villiersdorp-Caledon-Bredasdorp; Hermanus-Cape Town; R43-N2 at Bot River; Grabouw-Cape Town; Hermanus – Gordon's Bay R44; R326 Stanford - Riviersonderend); R43-Gansbaai – Hermanus; Hermanus-Caledon over Hemel-en-Aarde)
- The R43 is a link to the coastal area with heavy traffic especially over weekends and holidays (affects all major routes to coastal areas)
- The R321 between Grabouw and Villiersdorp is a detour for public transport vehicles to the N1
- The R316 is the link from the N2 to the Southern most point of Africa which is regarded as a tourism attraction and a gateway for the transport of illegal marine products
- The R43 road to Franschoek and the R45 are visited by tourist throughout the year and most of the (especially international) film shoots in our area takes place on this route
- The Infrastructure next to the N2 at Grabouw is a challenge with regards to the Illegal Fruit Sellers, Pedestrians, Hikers and Jaywalkers, because of no proper affordable Transport System available to commuters
- Another huge challenge for the Centre is protest actions in the Overberg area.
- Lack of proper 24/7 Law Enforcement services.

Operational Environment: Key Challenges

- **Pedestrians are a key challenge**
 - Visibility
 - Hitch-hiking
 - Walking under the influence of alcohol
 - Unsurfaced roads
 - Children
- **Road markings, especially post construction, road signs**
- **Heavy motor vehicle movements**
- **Learner transport**
- **Cycling**
 - Sports
 - Commuters
 - Visibility
- **Movement of agriculture vehicles, movement of livestock**
- **Child road safety awareness; especially visibility**
- **Spatial development and planning processes**
- **Weather: winter rock falls, mud slides; summer veld fires: require operational staff deployment**

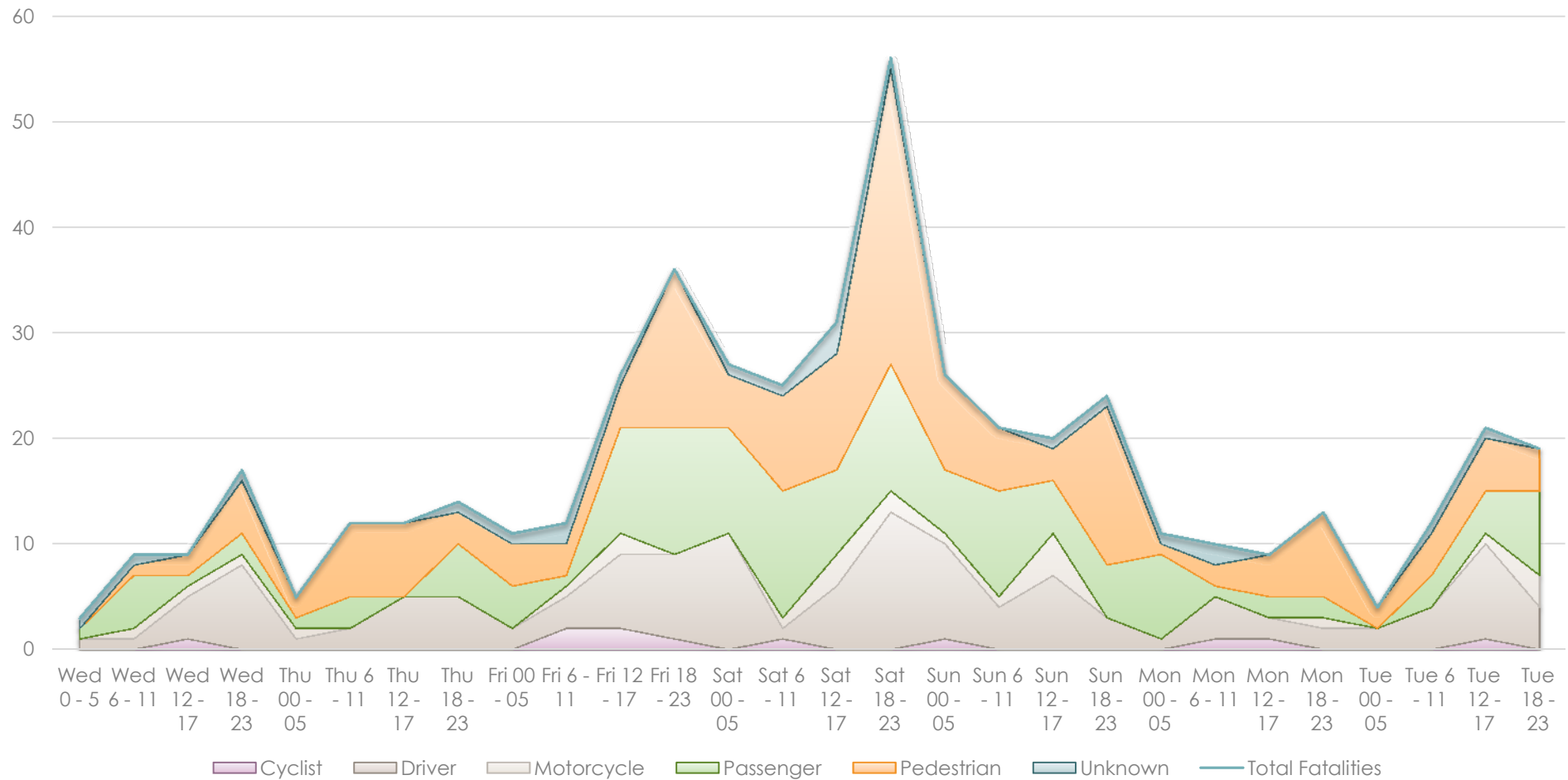
Operational Environment: Fatalities

Fatalities by month of year showing road user category 2008 - 2015



Operational Environment: Fatalities

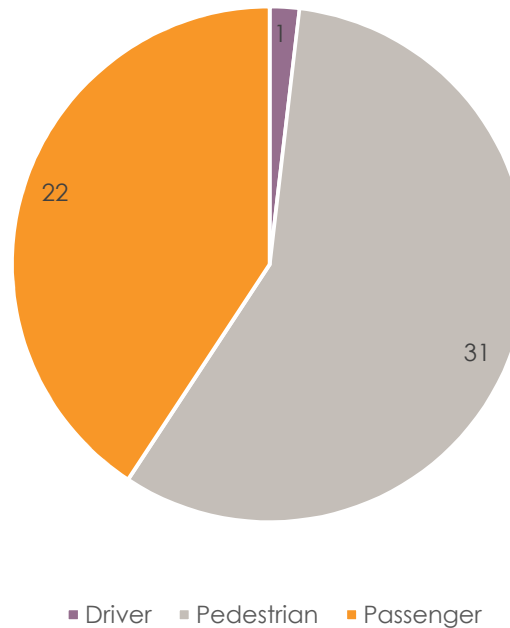
Caledon Traffic Centre Area Fatalities By Day, Day Part and Road User Type



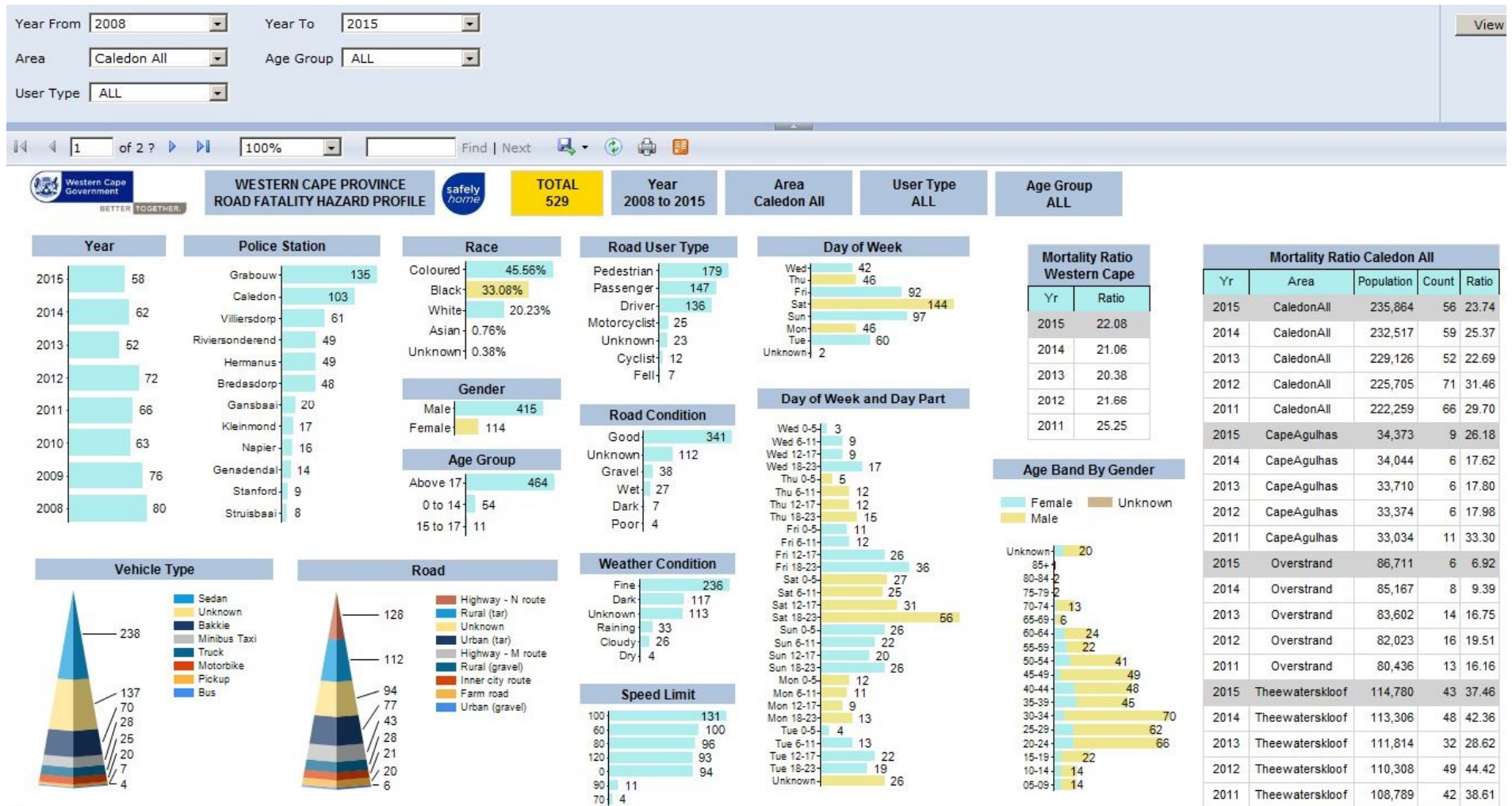
Operational Environment: Fatalities (children 0 - 14)

Year	Cape Agulhas			Overstrand			Theewaterskloof			Totals			WC
2015	7855	0	0	19 206	1	5.20	28 935	7	24.19	55 996	8	14.28	8.74
2014	7836	0	0	18 732	0	0	28 622	2	6.99	55 190	2	3.62	10.2
2013	7772	0	0	18 223	0	0	28 238	3	10.62	54 233	3	5.53	

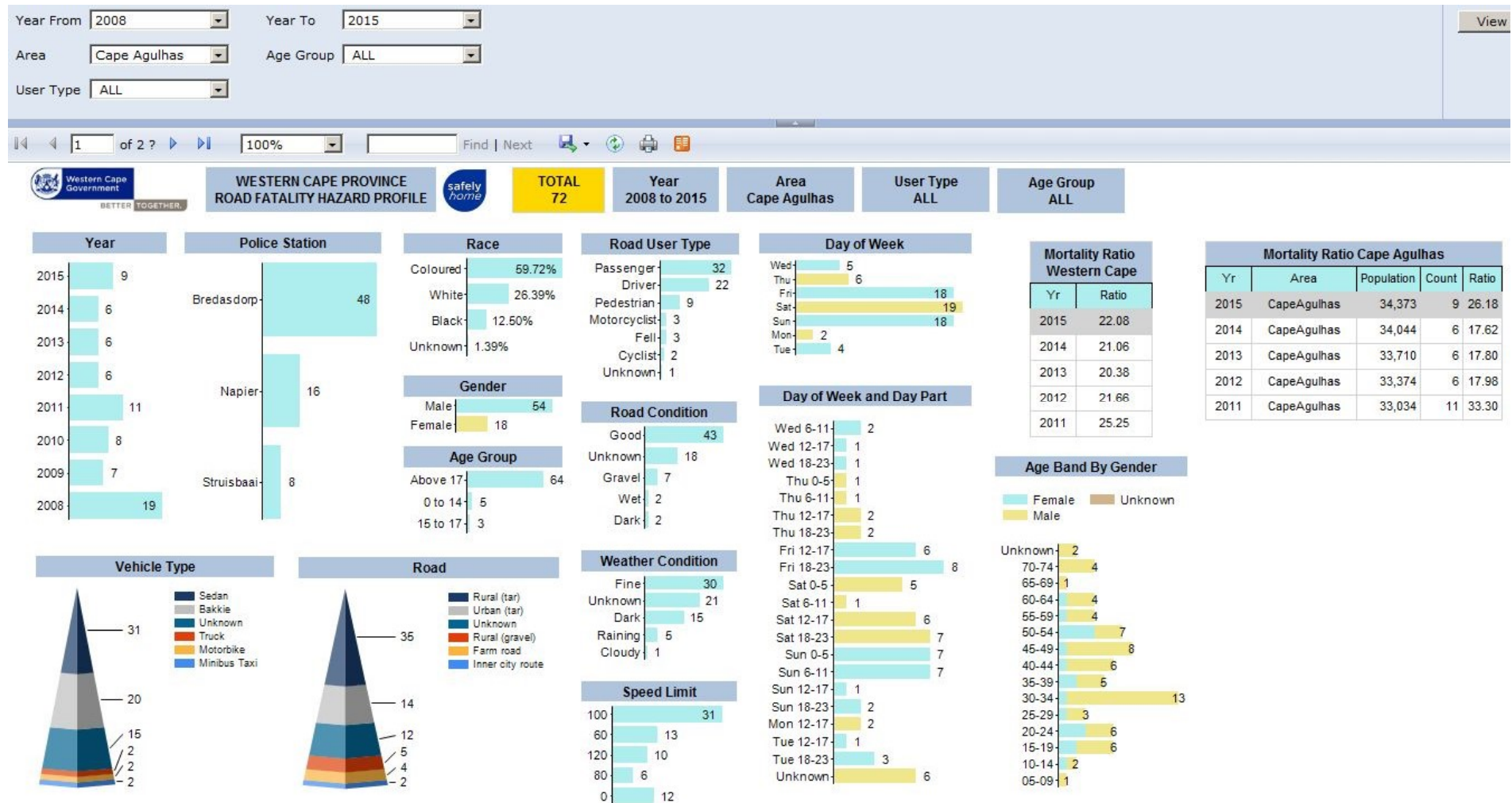
Child Fatalities 2008 - 2015 n=54



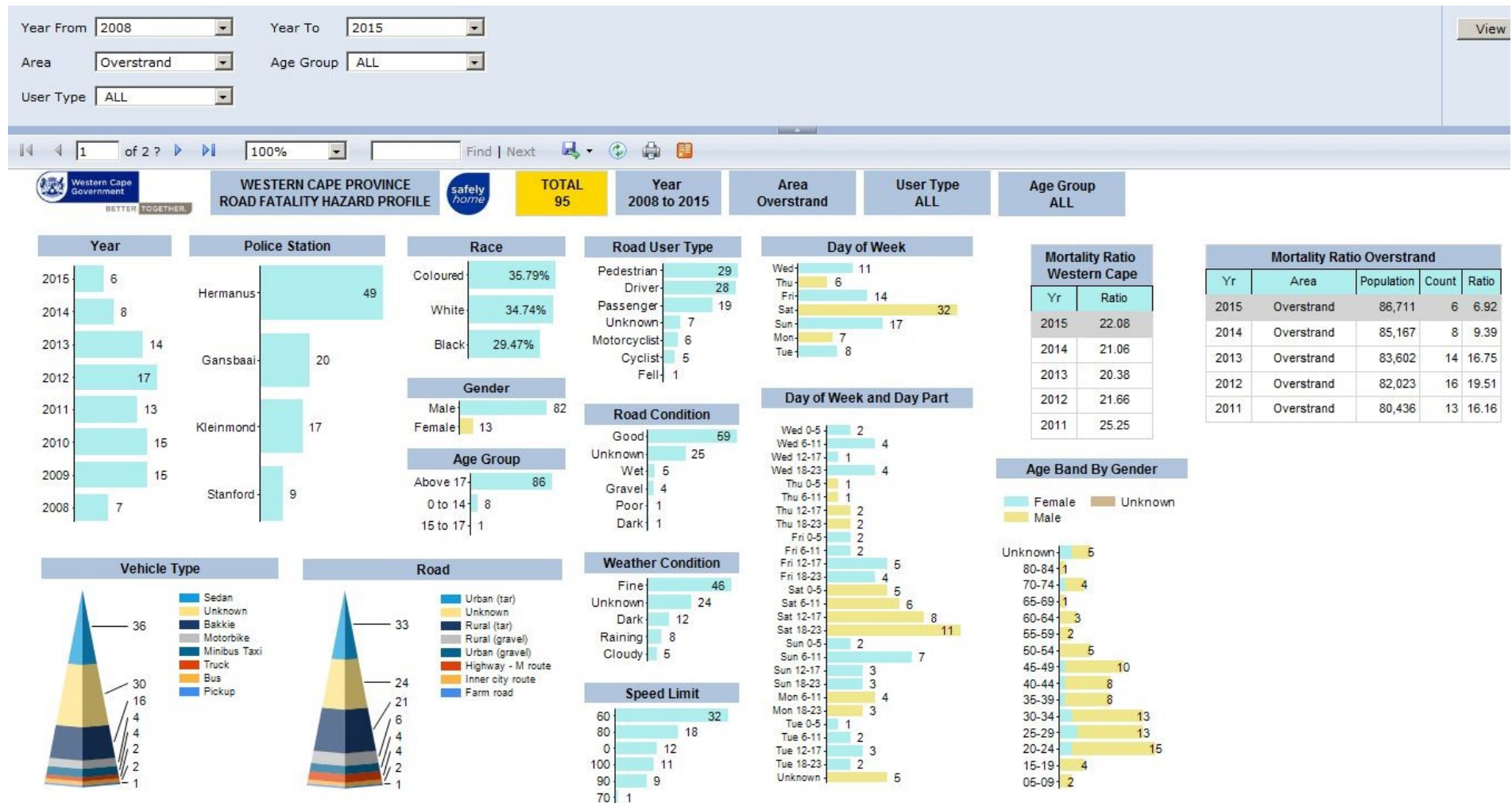
Operational Environment: Fatalities (BIM hazard profiles)



Operational Environment: Fatalities (BIM hazard profiles)



Operational Environment: Fatalities (BIM hazard profiles)



Vehicle Sightings

Vehicle Sightings



Western Cape
Government
Transport and Public Works

Law Enforcement - Sightings and Alerts

10/7/2019 8:22:57 PM

Last Refresh Date

10/7/2019 6:13:33 AM

Last Sighting

10/7/2019 6:17:59 AM

Last Alert

Oct 2019	Sep 2019	Aug 2019	Jul 2019	Jun 2019	May 2019	Apr 2019	Mar 2019	Feb 2019	Jan 2019	Dec 2018	Nov 2018
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Vehicle Sightings

759,680

Vehicle Alerts

43,159
5.68%

Total Alerts

76,963

Sightings by Vehicle Category and Usage

(B) Light passenger mv(less ...	514,631
(K) Light load vehicle (GVM ...	176,005
(M) Heavy load veh(GVM>3...	37,734
(C) Heavy passenger mv (12...	17,254
(L) Heavy load veh(GVM>3...	8,529
(U) Special Vehicle	3,257
(A) Motorcycle / Motortricy...	2,108
(0) Unknown	162

Alerts by Alert Type

ASOD	460
Licensing	34,010
Operating Licence	1,315
Roadworthy	6,143
SAPS Clearance	947
SAPS Mark	284

Vehicle Sightings by Day (*)

April 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
241	1,507	5,870	2,457	81	86	13
278	267	1,349	7,296	3,005	5,546	7,701
9,879	553	1,232				

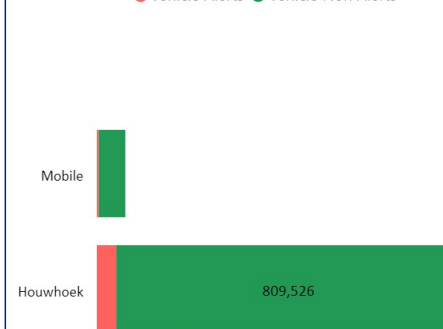
* Days reflect the period between 6AM to 6AM the next day

Region

- ☐ Select all
☒ N2 Region

Vehicle Alerts and Non Alerts by Location

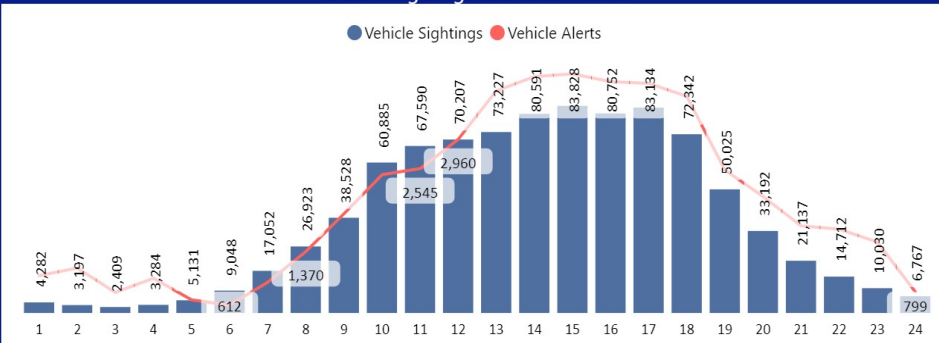
● Vehicle Alerts ● Vehicle Non Alerts



Traffic Centre

- ☐ Select all
☒ Caledon

Vehicle Sightings and Alerts Trends



1st Quarter Comparison

EDEN FATALITIES 1ST QUARTER COMPARISON 2018/19								
Road User	Apr-18	Apr-19	May-18	May-19	Jun-18	Jun-19	Total 2018	Total 2019
Driver	0	5	2	1	2	2	4	8
Motor-cyclist	0	1	2	0	0	1	2	2
Passenger	3	4	1	3	1	5	5	12
Pedestrian	3	4	4	1	4	4	11	9
Grand Total	6	14	9	5	7	12	22	31

Thank you

Contact Us



Western Cape
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