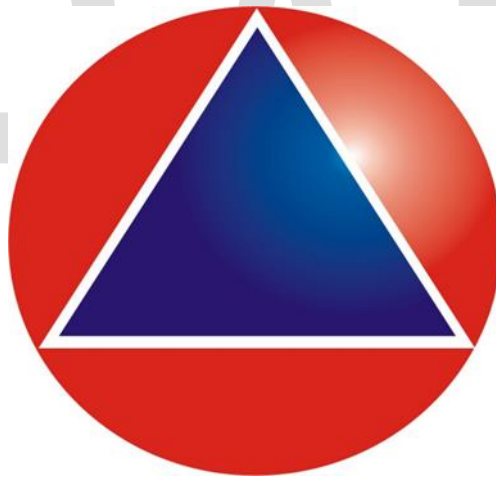


DISASTER MANAGEMENT PLAN

Disaster Management Act: Act no. 57 of 2002



March 2024

2024/25

Preamble

Section 53(1)(a) of the Disaster Management Act, 2002 (Act 57 of 2002 – hereafter referred to as “the Act”) requires the Langeberg Municipality to prepare a disaster management plan for its area according to the circumstances prevailing in the area and within the ambit of Provincial disaster management framework.

Section 53(2)(a) of the Act specifies that the disaster management plan for a municipality must form an integral part of the municipality’s integrated development plan (IDP).

Section 26(g) of the Local Government: Municipal Systems Act, 2000 (Act 32 of 2000) lists “applicable disaster management plans” as core components of an IDP.

Other than satisfying the intent of the Disaster Management Act and any associated national, provincial or municipal framework promulgated in pursuit thereof; the DRM Plan also supports the obligatory purpose of local government as contemplated in the Constitution of the Republic of South Africa, Act 108 of 1996; specifically, Section 152. (1).

The Municipality must submit a copy of its Disaster Management (DM) plan, and of any amendment to the plan, to the District Disaster Management Centre to be forwarded to the Provincial Disaster Management Centre.

A disaster is an unplanned event in which the needs of the affected community outweigh the available resources. A disaster occurs somewhere in the world almost daily, but these events vary considerably in scope, size and context. Disasters and their related risks are becoming frequent and the number of persons affected is also increasing. The greater effects are attributable not only to a greater number of events, but also to population dynamics, location and vulnerability. While the frequency of disaster events have led to an increase in general disaster awareness, the relative infrequency of major catastrophes affecting defined populations leads to a certain degree of complacency and underestimation of the impact of such an event. It is, therefore, imperative to be adequately prepared and switch from a more reactive to a proactive approach. In order for this to materialize, a Disaster Management Plan is necessary. This document is the Langeberg Disaster Management Plan, which has been compiled in terms of Section 53 (1) (a) of the Disaster Management Act (no. 57 of 2002).

Disaster management, as defined by the Disaster Management Act (no. 57 of 2002), is a continuous and integrated multi-sectoral, multi-disciplinary process of planning and implementation of measures. The collaborative nature of Disaster Management requires that all stakeholders work together. It is not always possible to eliminate a risk, however, by careful planning, mitigation and preparedness with all stakeholders, it is possible to minimize the effects.

Purpose of the Disaster Management Plan

The main purpose of this plan is to increase the capacity of Langeberg Municipality as a whole in order to prevent and deal with disasters. This plan, thus, seeks to achieve the following key outcomes:

- Integration of Disaster Risk Management into the strategic, operational planning and project implementation of all line functions and role players within the municipality;
- Integration of Disaster Management Mitigation strategies and projects within the plan;
- Submission of the Disaster Management Plan to the relevant Governmental structures, such as the Disaster Management Control Centres of CWDM, the Western Cape Province and the National Disaster Management Disaster Control Centre but not limited to;
- An integrated, fast and efficient response to emergencies and disasters by all role-players.

The Disaster Management Plan is to be seen as an information guide to the relevant role players and should advise them on how to lead in the case of a disaster, to prevent or mitigate any negative effects due to an incident in the Langeberg Local Municipality.

The Disaster Management Act requires that Langeberg Local Municipality must regularly review and update its Municipal Disaster Management Plan in accordance with the Disaster Management Act, (Act no. 57 of 2002 and its amendments).

Table of Contents

1.	Acronyms and Definitions	6
a.	Acronyms.....	6
b.	Definitions	6
2.	Introduction and Background.....	7
a.	Overview	7
b.	Practical Overview of Langeberg	8
c.	Infrastructure and Facilities	11
d.	Socio-economic overview	12
e.	Ward Overview.....	14
3.	Disaster Incident History	15
4.	Methodology.....	19
5.	Constitutional, Legislative and Policy Mandates	19-20
6.	Integrated Institutional Capacity.....	21-23
7.	Risk Assessment	24
a.	Identified Risks for Langeberg Municipality.....	25
b.	What are the results of the threat.....	30 (b-d)
	What are the results of the threat.....	31 (e-g)
	What are the results of the threat.....	32 (h-k)
	What are the results of the threat.....	33 (l)
8.	Primary and Secondary Responsibilities.....	33-37
9.	Government spheres responsible for the risks identified.....	38
10.	Disaster Risk Reduction.....	39
11.	Preparedness Planning	40
12.	Response.....	41
a.	Standard Procedure: Chain of events during any serious or potential disaster incident	41
b.	Declaration of a state of disaster and disaster classification.....	42
c.	Graphical Representation of Standard Procedure	43
d.	Information and communication during a disaster	44
e.	Prevention and mitigation	44
f.	Contact list of internal role players.....	45
g.	Contact list of role players.....	47
13.	Recovery.....	48

14. Testing and review of the plan	48
15. Reference documents.....	49

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1. Acronyms and Definitions

a. Acronyms

CWDM	Cape Winelands District Municipality
DM	Disaster Management
DRM	Disaster Risk Management
DRMC	Disaster Risk Management Centre
DMA	Disaster Management Act (No. 57 of 2002)
DMP	Disaster Management Plan
EMT	Executive Management Team
NDMF	National Disaster Management Framework
JOC	Joint Operations Centre
KPA	Key Performance Areas
OMT	Operational Management Team
SDF	Spatial Development Framework
IDP	Integrated Development Plan

b. Definitions

“Disaster” means a progressive or sudden, widespread or localized, natural or human-caused occurrence which causes or threatens to cause:

- i. death, injury or disease;
- ii. damage to property, infrastructure or the environment; or
- iii. significant disruption of the life of a community; and is of a magnitude that exceeds the ability of those affected by the disaster to cope with its effects using only their own resources

“Disaster management” means a continuous and integrated multi-sectoral, multi-disciplinary process of planning and implementation of measures aimed at—

- a) preventing or reducing the risk of disasters;
- b) mitigating the severity or consequences of disasters;
- c) emergency preparedness;
- d) a rapid and effective response to disasters; and
- e) post-disaster recovery and rehabilitation;

“Disaster risk reduction” means either a policy goal or objective, the strategic and instrumental measures employed for—

- a) anticipating future disaster risk;
- b) reducing existing exposure, hazard or vulnerability; and
- c) improving resilience.

2. Introduction and Background

a. Overview

Langeberg Municipality is one of the five local municipalities that make up the Cape Winelands District in the Western Cape, as can be seen by figure 1 below. The other local municipalities, within the district, include that of Witzenberg, Breede Valley, Drakenstein and Stellenbosch; depicted by figure 2. Langeberg has a total area of 4519km² and has 12 wards within its boundaries. The five main towns within the municipality include that of Robertson, Ashton, McGregor, Bonnievale and Montagu.



Figure 1: Highlighted maps of Langeberg Local Municipality



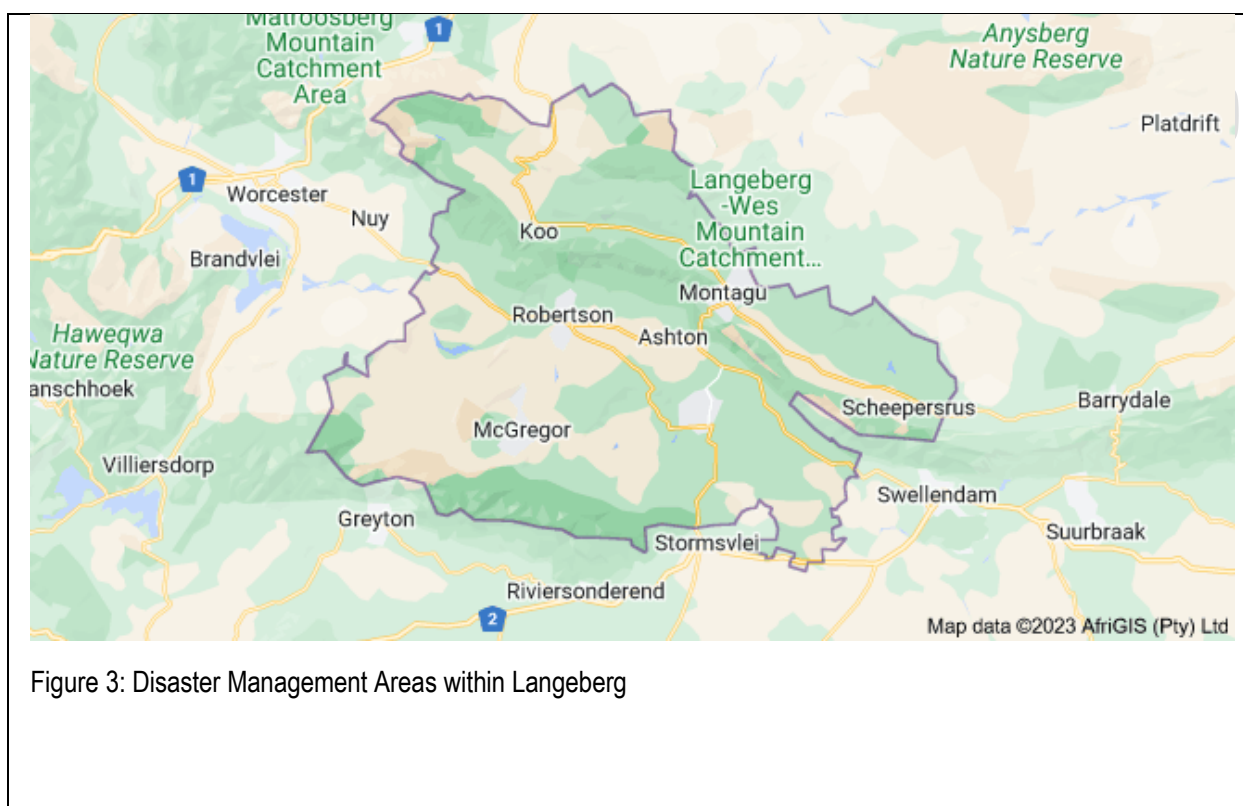
Figure 2: Map of the 5 local municipalities within the Cape Winelands District

Geography: The Langeberg Mountains run from Northwest to Southeast through the center of the Municipality, the Breede River follows the same direction and flows in a Southerly direction. The Riviersonderend Mountains form the Southern Border of the Municipality and the Koega Mountains form the Northern border.

The area experience an average temperature of 17 degrees Celsius, with 16.7mm annual precipitation and an average humidity of 75%

b. Practical Overview of Langeberg

The Local Municipality of Langeberg is sub-divided into two main areas for the purpose of Disaster Management, as can be seen by figure 3. The first area includes that of Robertson, McGregor and the adjacent rural areas and the second, includes that of Ashton, Montagu and Bonnievale. Table 1 then gives a brief outline of each of the stated areas.



Area 1: Robertson, McGregor and Adjacent Rural Area	Area 2: Ashton, Montagu and Bonnievale
General Description of the Area: - Robertson is divided into the areas of Vinkrivier, Noree, Goree, Willem Nelsrivier, De Hoop, Le Chasseur/Agterkliphoogte and Klaas Voogdsrivier. - McGregor is divided by the Koningsrivier system. - Robertson district is divided 'in two' by the Breede River, which flows parallel to the mountain ranges of Langeberg and Riviersonderend.	General Description of the Area: - The area is subdivided into several valleys/mountainous areas, including Koo/Keisie, Pietersfontein, Baden and Rietrivier areas. - A confluence of the Keisie and Kingna river systems is situated at the western town boundary of Montagu. - Montagu is situated between Langeberg and Waboomsberg ranges. - Bonnievale is situated approximately 20km south of Ashton, adjacent to the Breede River. - The area is subdivided into the following sub-regions/communities: Wakkerstroom, Langverwacht/Angora, Boesmansrivier, Drew and Waboomsheuwel. - Montagu Karoo is situated to the north east and west of Montagu. The area is very sparsely populated and consists mostly of extensive farming and game reserve activities.
Approximate Distances from Robertson and the main routes: - Ashton: 18km (R60) - Bonnievale: 28km (R317) - McGregor: 22km (Voortrekker Street) - Montagu: 28km (R62) Surrounding municipalities and their distances from Robertson include: - Breede Valley: 50km north west - Swellendam: 72km east - Cape Agulhas: 110km south	
Connection Routes: - R60 between Worcester and Swellendam - Route 317 connects Robertson to Bonnievale. - Various secondary routes (tar and dirt)	Connection Routes: - R317 between Robertson, Bonnievale and Stormsvlei - R60 between Worcester, Robertson, Ashton and Swellendam - R62 between Ashton, Montagu and Barrydale - The R318 connects Montagu to the N1, via Keisie/Koo - Various secondary routes (tar and dirt)
Railway Lines, Bridges and Connections - Railway Bridges: - Vink River (Steel construction) - Willemnells River (Concrete construction) - Zand River (Concrete construction) - Railway Lines - Main railway line between Worcester and Mosselbay (stretches for approximately 30km through the Robertson area and carries an amount of 3 goods/passenger trains daily - large number of hazardous loads are transported on this railway route)	Railway Lines, Bridges and Connections - Railway Bridges: - Ashton - Railway Lines - Railway line between Ashton and Bonnievale - Main railway line between Worcester and Mosselbay (stretches for approximately 20km through the Bonnievale area and carries approximately 3 goods/passenger trains daily - large number of hazardous loads are transported on this railway route)

• Railway Line Crossings (unguarded): ○ Cape Lime ○ Rooiberg Cellars ○ Goree ○ Silver Strand Road ○ Nkqubela • Important Bridges: ○ Victoria bridge (between Robertson and McGregor over the Breede River) ○ Vink River bridge (on the R60 between Robertson and Worcester) ○ Vicinity of Vink River railway station (road bridge on the R60 over the main railway line) ○ Keisers River bridge (on the road from Robertson to McGregor) ○ Road bridge (at Robertson railway station over the railway line and the Hoops River)	• Railway Line Crossings: ○ Two (2) at the Bonnievale urban area; the station and the Golf club. ○ Rural area at Drew ○ Several on minor roads.
More Important Causeway and Secondary Bridges • Breede River: ○ “Rooibrug” in the vicinity of Goudmyn (R317) • Konings River: ○ Near the Konings River farm - Situated in the Konings River road (dirt road). • Houtbaais River: ○ Situated on the dirt road between McGregor and the Konings River. • Poesjesnels River: ○ Near Wansbek in the Le Chasseur & Agterkliphoogte road and the farm at Le Chasseur. • Willemnells River: ○ Causeway Bridge at Brandewynsdraai (Die Dros) ○ Causeway Bridge at the cemetery (en route to Wolfkloof) ○ Causeway Bridge at Dassieshoek Nature Reservation en route to the farm Die Laaitjie. • Hoops River ○ Causeway Bridge at the farm Roode Hoogteplaas. ○ Causeway Bridge in Johan de Jongh avenue – near the correctional services facility ○ Bridge at Van Zyl Street ○ Bridge at Truter Street ○ Bridge at Church Street ○ Causeway bridge at Hoop Street ○ Bridge at Adderly Street ○ Causeway bridge at Constitution Street ○ Bridge at Voortrekker Street	More Important Causeway and Secondary Bridges • Bonnievale ○ Breede River bridge (near Parmalat factory, Die Plaat causeway in Angora Street at the urban fringe over Breede River) ○ Drew Causeway • Montagu ○ Van der Merwe Bridge: R62 (Lang Street) over Kingna Rivers ○ Voortrekkers Bridge: R62 (Lang Street) over confluence of Kingna and Keisie Rivers ○ Loftus Bridge: R62 rural over Cogmanskloof river ○ Boy Retief Bridge: R62 rural over Cogmanskloof river ○ Ashton Bridge: R62 rural over Cogmanskloof river ○ Cogmanskloof Bridge: R317 over Cogmanskloof river near farm Goudmyn ○ Keisie river bridge: R318 over Keisie River near the farm Drieberge ○ Koo Bridge: On R318 over Koo River, near the farm Concordia. ○ Langkloof River (DMA) has 22 causeways in the Ouberg Pass: situated to the northeast of Montagu ○ The Touw River is situated on the north eastern most area of the DMA and flows in an eastern direction towards the Gourits

• Vink River ○ Bridge on R60 ○ Causeway bridge at the farm Goree ○ Causeway bridge at Rooiberg Cellar • Noree River ○ Causeway bridge at the farm Goree. • Droë River: ○ Paddy Street bridge – situated on the Keurkloof road ○ Causeway bridge in Doornbos Street (between Rolbos and Peper bos Streets)	*Most deep rural roads are inundated with causeways that are regularly flooded and could be deemed important for emergency services rendering during such incidents *Rural farms are dependent on aerial support during incidents. <u>Table 1:</u> General Overview of the Langeberg Local Municipality
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c. Infrastructure and Facilities

Table 2 below outlines the number of critical facilities and related infrastructure within each town in the Langeberg Local Municipality.

Critical Facility/Infrastructure	Town				
	Robertson	Ashton	McGregor	Bonnievale	Montagu
Community Hall	4	3	1	2	3
Libraries	3	3	1	5	3
Sportsfield	3	2	1	1	1
Hospitals	1	0	0	0	1
Clinics	3	2	1	1	1
Reservoirs	5	2	1	2	2
Taxi Ranks	1	1	0	1	1

Table 2: Infrastructure and facilities within Langeberg Local Municipality

With regards to the hospital in Robertson, there are 50 beds, 9 doctors and 52 nurses. In Montagu there are 30 beds, 4 doctors and 39 nurses. Langeberg has 13 public healthcare clinics (PHC), comprising of 7 fixed PHC clinics and 6 mobile PHC clinics; there are 56 nurses at the stated clinics.

The main landing strip for the area is situated on the eastern outskirts of Robertson; it is a tar surfaced, 1500m runway with a width of 50 m and night landing facilities. There is also a dedicated helipad situated at the Robertson Hospital in Van Zyl Street. A private gravel landing strip is situated on Vinkrivier farm, approximately 20 km to the west of Robertson. There is a private tar landing strip situated on the Zandvliet farm in Ashton; adjacent to Ashton Canning. On Derdeheuvel farm, to the east of Montagu, there is a private derelict gravel landing strip.

d. Socio-economic overview

Figure 4 displays population density of the Cape Winelands District. Langeberg Local Municipality has a population density of 27 people/km² the second lowest population density in the district and an estimated population of 126 464 (2025)

Colour Code	Population per km ²
	0 – 10
	11 – 20
	21 – 30
	31 – 40
	41 – 50
	50+



Figure 4: Population density in the Cape Winelands District

Figure 5 displays the average ages within the Langeberg Local Municipality as well as the dependency ratio

Year	Children 0 - 14 Years	Working Age: 15 - 65 Years	Aged: 65+	Dependency Ratio
2021	34 541	77 932	7 489	53.9
2023	35 372	80 034	7 694	50.8
2025	36 623	81 942	7 898	50.3

Figure 5: Age Cohorts Langeberg Local Municipality

Figure 6 displays the GDP per capita. Langeberg Local Municipality has the lowest GDP per capita. At R54 374 in 2021 it is below that of the CWD (R67 798) and the Western Cape as a whole (R81 650)

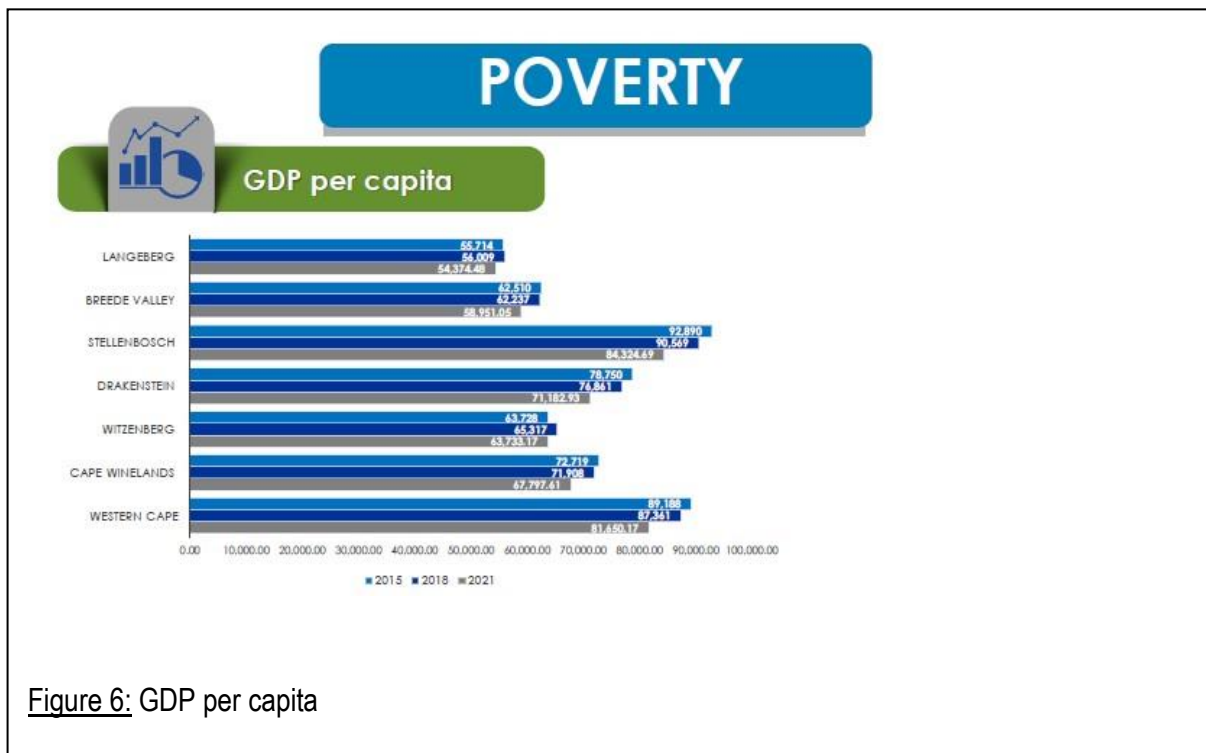


Figure 6: GDP per capita

Langeberg: At a Glance

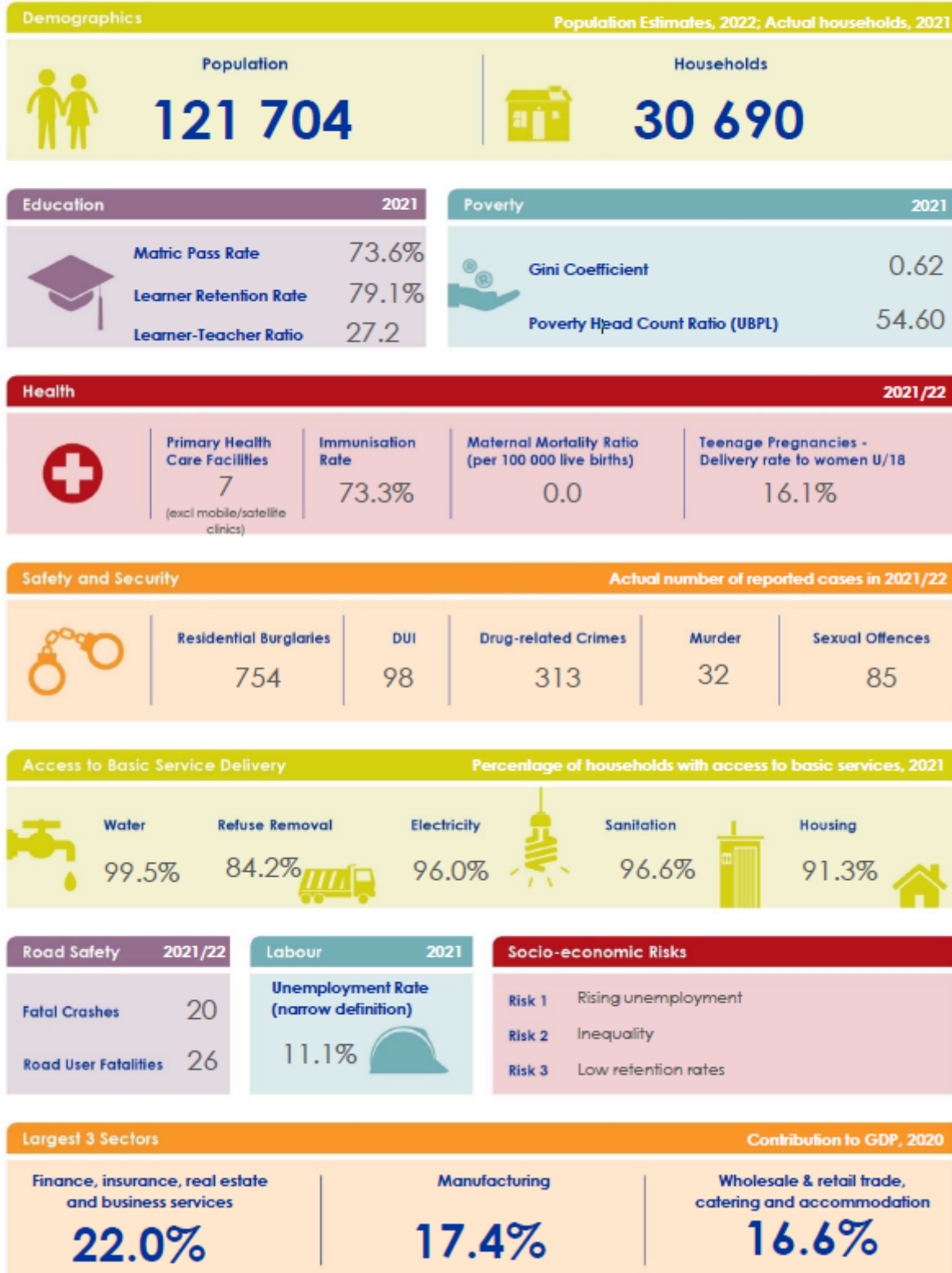


Figure 7: Socio-economic profile of Langeberg Local Municipality (2021)

Figure 7 provides one with a greater socio-economic overview of the district.
 Page 14 of 49 Annual Review 2024/2025

Ward Overview

Langeberg Local Municipality is sub-divided into 12 wards as shown in Table 3

Ward	Area	Name and Surname	Party	Contact
Ward 1	Robertson	C. Steyn	DA	067 401 3181
Ward 2	Robertson (Nkqubela)	L Gxowa	ANC	060 431 2223
Ward 3	Robertson North	P, Hess	DA	072 758 6610
Ward 4	Bonnievale (Happy Valley)	JJS, Januarie	ANC	076 085 6063
Ward 5	McGregor	M. Kraukamp	DA	078 086 0962
Ward 6	Robertson North and Farms	DB, Janse	DA	072 030 7436
Ward 7	Montagu CBD and Farms	D. Felix	DA	081 762 0018
Ward 8	Bonnievale CBD and Farms	SW, van Eeden	DA	082 788 2234
Ward 9	Ashton (Cogmanskloof &Klaasvoogds	Y. Siegel	DA	083 993 349
Ward 10	Ashton (Zolani)	A. Ndongeni	ANC	073 426 1867
Ward 11	Montagu above Kingna River, Prospect and Goldmine	J. Coetzee	DA	082 729 7839
Ward 12	Montagu Ashbury, Farms to Montagu Springs	C. Pokwas	DA	082 707 1496

Table 3: Langeberg Wards

3. Disaster Incidents History

Incident type	Dates	Explanation
Floods	25-27 January 1981	“Laingsburg Flood” also affected Montagu, Robertson and Ashton. 13 Deaths, several injuries, loss of production in factories, several government buildings affected, e.g. Robertson SAPS, Court buildings Railway Station. Massive power failure and infrastructure damage, agricultural losses. Montagu Springs Hotel destroyed.
Bushfires	29 December 1997 – 04 January 1998	Langeberg Mountain, Montagu. 8000 ha mountain veld and vineyards destroyed. Cost unknown.
Structural fires	24 September 2000	Happy Valley, Robertson. 8 Thatch roofed dwellings burnt down. 32 People relocated.
Train derailment	19-20 October 2001	Drew, Bonnievale. 2 Diesel locomotives and 14 railcars derailed. Bulk grain and liquor destroyed. Rail unproductive for two days
Regional flood	24-27 March 2003	“Montagu Floods”. 2 500 people evacuated from wet RDP houses, Cogmanskloof Pass closed for 12 days in harvesting season, major agricultural losses, major dam failure, disruption of schools and factories, secondary road infrastructure damages. Total cost approx R 25 million. Flooding also affected 2 neighbouring districts.
Flooding	December 2004	Over a three-day period, Robertson received 188.2 mm (6.5 times the average December rainfall). Serious disruption to services, inhabitants and businesses in the Robertson area. The total approximate cost was R2 million.
Flooding	2-3 August 2006	A cut off low caused Montagu district to receive approximately 200mm of rainfall resulting in the R62 being closed for 11 hours. Low water bridges, roads and sewerage infrastructure sustained damage. The total approximate cost was R1.2 million
Flooding	22-24 August 2006	A cut off low in Langeberg area caused an approximately 250mm of rain. A number of roads and bridges sustained damages. The total approximate cost was R6 million.
Flooding	November 2007	Flooding was experienced as a result of a cut off low. This resulted in damages to municipal infrastructure (roads, bridges sewerage and water pipelines). Significant damage sustained in the agricultural sector. The approximate cost was R9 million (including the cost of damages in Breede Valley)
Flooding	13-15 November 2008	Heavy rainfalls, measuring from 150mm in Robertson town to between 356mm to 500mm in the mountainous areas of the Langeberg. Widespread flooding experience as a result of a slow moving off low pressure. A number of roads and bridges were closed. Significant damages to municipal infrastructure including bridges, roads, water and sewerage infrastructure. A number of houses at Avalon Springs were washed away. The approximate cost was R7.2 million)

Flooding	8-10 June 2011	Langeberg municipality experienced persistent rains – large debris formation & flooding through blocking of water thoroughfares, channel, rivers & bridges. Road and bridge closures, people and vehicles were trapped. The approximate cost was R2.92 million.
Flooding	7-9 August 2012	Persistent rainfall within the municipality resulted in flooding, closure of specific roads and bridges resulting in people being cut off, an EMS ambulance being washed away, pump stations being flooded and many people and structures affected. The approximate cost was R2 million.
Strike Action and Unrest	13-20 November 2012	Strikes took place around surrounding farms; stone throwing and tyre-burning incidents took place.
Flooding	January 2014	Cut off low pressure resulted in the closure of a number of roads, bridges and causeways. The approximate cost was R5 million.
Veld Fires	January 2015	Veld fire Dassieshoek mountains
Protests/riots	20 August 2015	Protest by residents of Enkanini and Kanana in Nkqubela protest because of living conditions.
Protests/riots	3 November 2015	Unemployed residents protested to be employed by the local road infrastructure project.
Public Unrest in Nkqubela	17 March 2022	Clashes between foreign nationals broke out in Nkqubela due to the issue related to employment at the farms. About 20 dwellings occupied by foreign nationals were damaged; part of a 66kV electrical line was also damaged due to fires, which came as a result of the clash. About 200 people evacuated the area and gathered outside Robertson SAPS and Shell garage during the evening of the 17 th of March 2022.
Veld fire	5 October 2017	Mcgregor veld fire that came close to the Cemetery.
COVID 19 Pandemic	15 March 2020 and ongoing	On the 15 th of March 2020 a State of Disaster was declared by the president. 1/3 employed adults lost their jobs either temporarily or permanently between February and April 2020. Employment loss during this time was 10 times higher for the poorest 50% compared to the richest 25% of workers. The South African economy contracted by an unprecedented 51.0% in the second quarter of 2020. The COVID 19 stimulus package announced on 21 April amounted to approximately R390 billion around 10% of the economy's GDP. To protect citizens and recover from the virus. From 2020 South Africa's GDP will take at least 5 years to recover.
Flooding	05 May 2021	Roads in Bonnievale, Gelukshoop, and Stormsvlei were badly damaged after heavy downpours caused parts of the roads to be washed away.
Flooding	From 14-19 June 2023	Nine (09) people rescued on the 16th of June 2023 from an island in the Breede river. The Emergency Services that were involved in the rescue operation were Langeberg Fire Services, Robertson SAPS and the diving units from SAPS, EMS Rescue, AMS

		air support (Rescue Helicopter), CWDM Fire Services, Langeberg Traffic and EMS. • On the 15th to the 16th of June 2023, poles and electrical overhead conductor broken/damaged because of flooding-Goudmyn, Langverwacht, Wakkerstroom-Wes and -East, Zandvliet , ±512 Households. • On the 15th to the 16th of June 2023, poles and electrical overhead conductor broken/damaged because of flooding-Klipdrift/Uitnood, 2 households were affected. • On the 15th to the 16th of June 2023, poles and electrical overhead conductor broken/damaged because of flooding-Eilandia River Bend Farm, 2 households were affected. • On the 15th of June 2023 to the 16th of June 2023, Breede river pump station was flooded-Ashton and Montagu, and 9500 households were affected=Two pumps were damaged as a result of the flooding of the pump station.
Flooding	24 - 26 September 2024	• Prior to the 24th of September 2023, weekly weather forecast was circulated to the CWDM and the B municipalities within the district as it is done regularly as part of early warning systems in the Western Cape Province. On the 24th of September 2023, the warnings indicated that Langeberg and other Municipalties affected were going to experience the severe weather within the District and other parts of the Western Cape. On the 24th of September the first JOC in the District was set up through the Microsoft teams to coordinate potential disaster which could come as a result of severe weather. The other JOC meetings took place later in the afternoon during that day and the other two took place on the 26th of September 2023. Other JOC meetings also took place on the 27th and 28th of September 2023 and the 2nd of October 2023. All emergency services teams were placed on high alert in the Langeberg area and on the 25th of September 2023 the rescues, evacuations and sheltering of people took place. On the 25th tourists and people using the roads in our area were sheltered in the community Halls in the Langeberg Municipal area. This came primarily because of R60 having to be closed for traffic at Nuy towards Worcester due to overflowing flood water. Other people who were cut-off on the Langeberg side were able to make bookings for accommodation through tourism organizations with the Senior Management Team also engaging Tourism to assist and the next day in the morning the people who were cut-off were able to carry on with their itineraries to their different destinations.

		• 121 people from Riemvasmaak, Rondonkrik and Hungry town were sheltered at Haven Guesthouse at Ashton on the 25th of September 2023 and returned back to their sites on the 26th of September 2023. This started with 20 households that were affected that were provided with 20 blankets • 80 people at Takkap in McGregor were also cut-off due to flooding which affected the low water bridge leading to the farm and the Langeberg Municipality were able to purchase through emergency deviation and deliver emergency packs which were delivered through the use of the helicopter provided through collaboration with the Province. • Agterkliphoogte farms were cut-off due to the farm bridges that were washed away during flooding they were provided with 39 food parcels and later on the 29th of September 2023 they were provided with 39 x 5 litres of water and 50 sanitary packs purchased through emergency deviation as it was identified through the assessment. 81 people were affected at agterkliphoogte. • At Koningsrivier Farms, 104 people were cut-off and 61 food parcels were delivered to them by Langeberg Municipality. CWDM provided 112 emergency food parcels to the Langeberg Municipality to assist affected communities. • On the 25th of September 2023 traffic was rerouted through the roads in the Langeberg Municipality as the N1 had to be closed to traffic due to flooding • The whole of McGregor community that have to use the Keiserdrift Bridge were cut-off from the 25th of September 2023. On the 26th of September 2023 the alternative route via Bushmans rivier was used to access McGregor, initially by vehicles with high ground clearance (4x4; 4x2's) as it was inundated with the flood water and later on by some of the smaller vehicles. During the cut-off some of the service providers refused to use the alternative route which resulted in reports that McGregor had run out of the money in the ATM's and the fuel was not delivered until the 2nd of October 2023 which affected the community in many ways. Fresh produce was unable to leave McGregor farms; employees being cut-off, flooding in some areas affected the farms, businesses and households. The informal settlement in McGregor was affected as some of the structures were later reported to have been washed away by the floodwater. • Montagu was also affected and was cut-off in accessing Ashton side until the 26th of September 2023 when it was later accessible.
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		• The severe weather also affected the libraries, electricity supply in other parts of the municipality (poles washed away, others broken, trees falling on electrical lines etc.), Civil Engineering impacted severely and community facilities were also affected • Fire, Rescue and Disaster were also busy with the fires that took place during this period, rescues, and evacuations. Senior Management Team, members of the political administration, Traffic, Civil Engineering, Electrical Engineering and other municipal departments were also hands on in order to sustain the services to the community of Langeberg amidst this entire crisis. This involved extensive mobilizing of resources from the municipality including the sending out of communication to inform the public about the events as they unfolded with isolated cases of flooded streets, structures and overflowing rivers.
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4. Methodology

The sources utilized for the Langeberg DMP were as follows:

- Past Incident Reports
- Disaster Management Act (No. 57. Of 2002)
- National Disaster Management Framework
- Past Disaster Management Plans for Langeberg Municipality
- The 2021 socio-economic profile for Langeberg Local Municipality
- Cape Winelands District Municipality Technical Risk Assessment (2005)
- Cape Winelands District Municipality Community Based Risk Assessment (2008)
- Cape Winelands District Municipality Ward Based Risk Assessment (2015/16) – (Latest will be done in June 2024)
- Mosselbay Disaster Management Plan

5. Constitutional, Legislative and Policy Mandates

Concerning the Disaster Management Act (DMA) No. 57 of 2002, Langeberg Municipality is legally obliged to develop a Disaster Management Plan for their specific area.

To coordinate and align the implementation of the plan with those of the other organs of state and institutional role-players. (Section 53(1) (d))

According to Section 53(2) (a), the disaster management plan is to also form an integral part of the municipality's integrated development plan.

It is further stated that a district municipality and the local municipalities within the area of the district municipality must prepare their disaster management plans after consulting each other. (Section 53(3))

The Langeberg Municipality must, as stipulated by Section 53(4), submit a copy of the plan to the National Disaster Management Centre, Western Cape Province, the Cape Winelands District and the relative local municipalities within the district.

Both the Municipal Systems Act and the Disaster Management Act requires the inclusion of the Disaster Management Plan into the Integrated Development Plan (IDP) for the Langeberg Local Municipality.

Disaster Management and Emergency services need to ensure that they comply with the relevant Acts, frameworks and the South African National Standards Codes (SANS).

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6. Integrated Institutional Capacity

Figure 5 below gives an outline regarding the development of the Disaster Management Plan and the aspects that it involves.

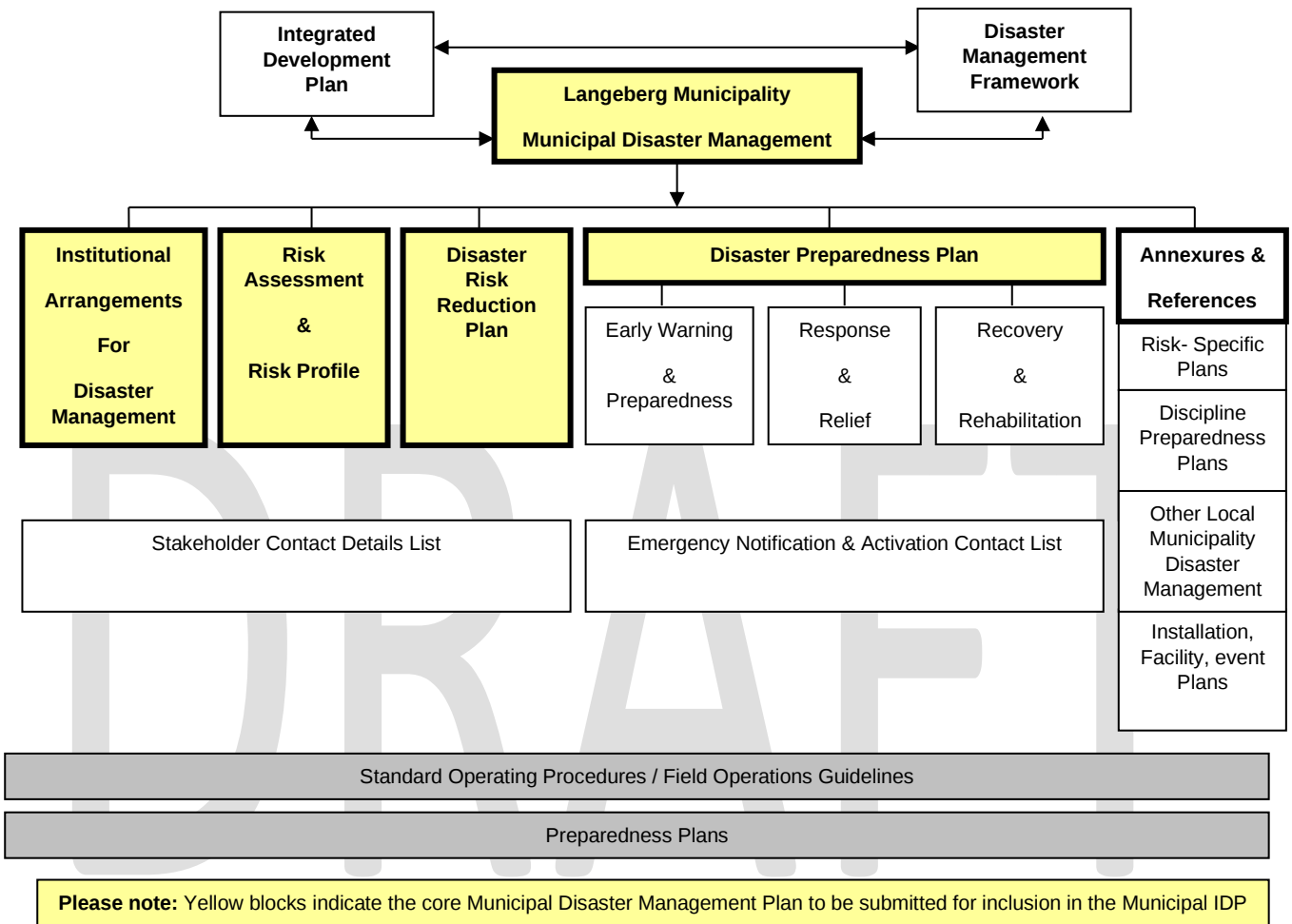


Figure 8: Outline for the development of the Disaster Management Plan

The DMA gives clear priority to the application of the aspect of cooperative governance and stakeholder involvement, in order for the reduction of the likelihood and severity of disasters. One is to take note that Disaster Management is not a line function, but rather an advisory coordinated function. Concerning this statement, the Manager: Disaster Management cannot perform the whole spectrum of disaster risk management activities on his or her own, but must rather direct and facilitate in the disaster risk management process. Within the Langeberg Local Municipality, the responsibility for reducing disaster risk, preparing for disasters, and responding to disasters is shared among:

- all disciplines and employees of the Langeberg Municipality;
- all disciplines and employees of the Cape Winelands District Municipality;
- neighboring local municipalities within the Cape Winelands District Municipality;
- all provincial and national organs of state operating within the municipality;
- all sectors of society within the municipality;
- all the residents of the municipality.

Each municipal discipline is required to assign a person or a section within the discipline to be the nodal point for Disaster Management activities within the particular field. The Manager within each discipline is to participate in Disaster Risk Reduction strategies and preparedness and response. The Manager: Disaster Management within Langeberg is to ensure updated contact details of the responsible Managers to ensure a current Plan.

In the case of a discipline having primary responsibility for a hazard; the discipline's role is greater than mere participation; it will have to lead preparedness activities and risk reduction activities as a result of its expertise within the field. The Manager: Disaster Management can support with the relevant information, advice, coordination and facilitation needed by the specific discipline as well as attend relevant meetings for the identification of disaster management mitigation projects and provide the required inputs. In the event of a disaster, disciplines are responsible for their specific services in normal conditions.

The next figure, figure 9, provides one with the Corporate Disaster Management structure for Langeberg Local Municipality. It outlines for the integrated direction and implementation of the disaster management plan. It allows one to review the different stakeholders involved as well as their relation to each other, concerning both pro-active and re-active processes.

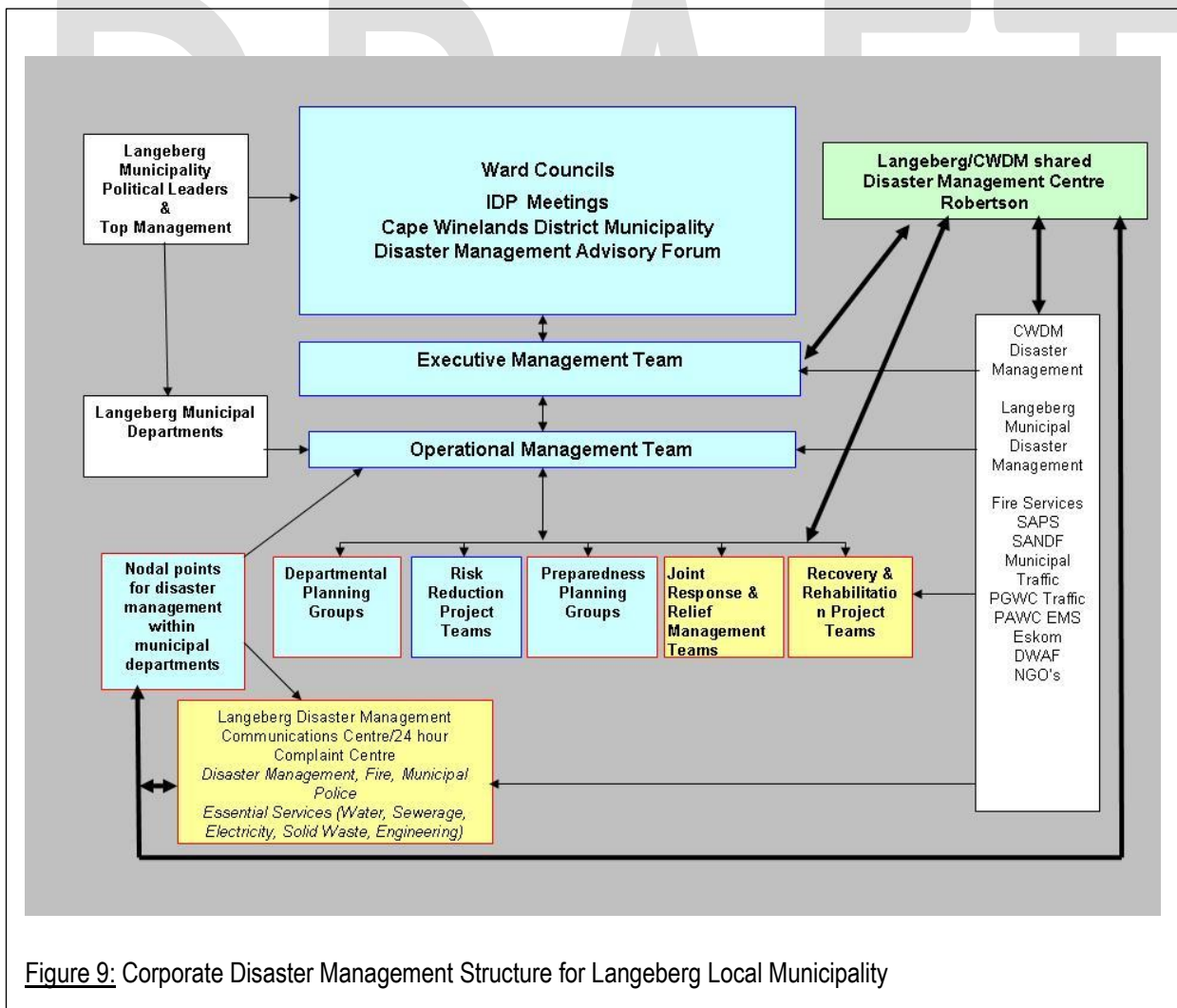


Figure 9: Corporate Disaster Management Structure for Langeberg Local Municipality

Langeberg Municipality consult with and operate in close collaboration with the Cape Winelands District Disaster Management Centre.

The Disaster Management Centre of the Cape Winelands District Municipality must aim to prevent or reduce the risk of disasters, mitigate the severity or consequences of disasters, prepare for emergencies, respond rapidly and effectively to disasters and to implement post-disaster recovery and rehabilitation within the municipality by monitoring, integrating, coordinating and directing the disaster risk management activities of all role players.

The EMT (Executive Management Team) Meetings, as strategic body on the municipal structure and serves as the coordinating forum for disaster management issues within the Langeberg municipality, whereas the OMT (Operational Management Team) deals with the operational issues. The handling of disaster management issues is simply an extension of normal municipal functions and systems. The EMT and OMT members are listed in the Response section of the plan.

Langeberg Municipality does not have an advisory forum; however, the Cape Winelands District has an established Disaster Management Advisory Forum. The Langeberg Local Municipality is represented on the Disaster Management Advisory Forum and attend these meetings; duplication is deemed impractical.

Establishment of the JOC (Joint Operation Centre)-Disaster Risk Management Centre has been completed and it is in number 6 Kerk Street in Robertson and depending on the need, SAPS Offices are also available, at number 2 Kromhout Street, in Robertson. Another option is the Mobile Command vehicle obtainable from CWDM in terms of the Mutual Aid Agreement between the Municipalities of Langeberg and The Cape Winelands (District Municipality).

Alternative facilities, should the JOC not be accessible, are available in all towns and it can, thus, be moved on short notice. During any event which necessitates multi-disciplinary co-ordination, the Manager: Disaster Management will activate the JOC.

7. Risk Assessment

CWDM is currently in the process of developing an updated Ward Based Risk Assessment for the district, including the area of Langeberg. Information from the ward based risk assessment is below. The hazards and their priorities as well as, government spheres responsible.

Reviewing the Community-based Risk Assessment for the area, the following table lists the identified hazards in order of perceived likelihood of occurrence, as ranked by the participants;

LANGEBERG MUNICIPALITY			
	LIKELY	NORMAL	UNLIKELY
Floods	22	0	0
Water management	21	1	0
Hazardous loads	17	3	0
Drought	16	4	0
Electricity theft	14	5	0
Economic vulnerability	11	10	1
Veld fire	10	9	0
Epidemics	9	10	0
Road infrastructure	7	13	4
Dangerous installations	4	16	2
Rapid development	4	3	14
Erosion	1	19	1
Structural fire	0	20	0
Bus accidents	0	18	3
Earthquakes	0	6	15
Nuclear spill-over	0	0	16

During the 2015/2016 financial year, the Cape Winelands District Municipality assisted the Langeberg Municipality with the completion of a Ward Based Risk Assessment, the new ward based risk assessment is scheduled for the month of June 2024.

The following disaster risks were identified as priority risks to be addressed by disaster risk reduction as well as preparedness plans:

- Human diseases
- Domestic Water Pollution
- Crime
- Riverine flooding
- Alcohol abuse
- Veld/Mountain fires
- Drug abuse
- Domestic solid waste pollution
- Traffic Accidents
- Dam Failure

Urgent Risk Reduction interventions require the immediate attention of senior management

Preparedness planning management responsibility must be specified

a. Identified Risks for Langeberg Municipality

Rating	Risk Probability
0	Minimum Risk
1	Low Risk
2	Medium Risk
3	High Risk

Category of identified risk	Name and Description	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Ward 6	Ward 7	Ward 8	Ward 9	Ward 10	Ward 11	Ward 12	Priority rank
Biological hazard	Human diseases	2	2	2	3	3	1	2	3	3	2	1	2	1
Human induced hazard	Domestic Waste Water Pollution	2	2	1	3	1	2	2	1	3	3	3	3	1
Human induced hazard	Crime	2	2	2	3	2	1	2	2	2	2	1	1	2
Hydro-meteorological hazard	Riverine flooding	1	2	3	0	3	1	2	1	2	0	2	3	3
Human induced hazard	Alcohol abuse	1	2	2	3	2	1	1	2	2	2	1	1	3
Hydro-meteorological hazard	Veld Fires	1	2	1	1	1	3	2	3	2	0	1	1	4
Human induced hazard	Drug abuse	1	1	1	2	2	2	2	0	1	2	1	1	5
Human induced hazard	Domestic Solid Waste Pollution	2	2	2	1	0	2	1	0	0	3	2	1	5
Technological hazard	Traffic accidents	2	2	2	0	0	2	0	0	3	3	1	1	5
Technological hazard	Dam failure	1	1	0	0	3	3	1	2	1	1	1	1	6
Environmental degradation	Water pollution	0	2	0	1	2	3	0	3	1	0	3	0	6
Human induced hazard	Localised flooding due to blocked storm water drains	2	3	2	0	2	0	0	1	0	1	0	3	7

Category of identified risk	Name and Description	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Ward 6	Ward 7	Ward 8	Ward 9	Ward 10	Ward 11	Ward 12	Priority rank
Technological hazard	Fires resulting from the use of candles, paraffin, illegal electricity cables	1	2	1	2	3	1	0	0	1	1	0	2	7
Biological hazard	Pests	1	1	1	1	1	1	1	1	1	1	1	1	8
Technological hazard	Transportation of hazardous materials	1	1	0	1	0	1	1	2	2	1	2	0	8
Human induced hazard	Illegal electricity cables	1	3	0	2	1	0	0	0	0	0	0	2	9
Biological hazard	Animals	0	1	0	1	2	0	1	3	0	0	1	0	9
Hydro-meteorological hazard	Drought	0	0	0	0	0	0	2	2	3	0	0	1	10
Human induced hazard	Public unrest	0	0	0	2	0	0	1	1	0	2	0	0	11
Human induced hazard	Open water sources	0	0	0	0	0	2	0	2	1	0	0	1	11
Technological hazard	High-risk installations	1	1	0	0	0	1	1	1	1	0	0	0	11
Environmental degradation	Air pollution	0	1	0	0	0	2	0	0	1	0	1	1	11
Human induced hazard	Xenophobia	0	0	2	2	0	0	0	1	0	0	0	0	12
Technological hazard	Load shedding	0	0	0	0	0	0	0	3	1	0	0	0	13

Category of identified risk	Name and Description	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Ward 6	Ward 7	Ward 8	Ward 9	Ward 10	Ward 11	Ward 12	Priority rank
Technological hazard	Aircraft accidents	0	2	0	0	0	0	0	0	0	0	0	1	14
Hydro-meteorological hazard	Snowfalls	0	0	0	0	0	0	0	0	0	0	0	1	15
Hydro-meteorological hazard	Wind storms	0	0	0	0	0	0	0	0	0	0	0	1	15
Technological hazards	Structural Fires	0	0	0	1	0	0	0	0	0	0	0	0	15

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b. What are the results of the threats?

Informal Structural Fires

- Loss of large-scale fixed property.
- Loss of human lives.
- Loss of animal lives.
- Serious injuries.
- Loss of moveable assets.
- Loss of food.
- Pollution.
- Inaccessibility of roads.
- Disruption of Municipal service delivery.
- Poverty.
- Additional funds which will have to be provided.
- Provision of alternative temporary accommodation.
- Over-crowded hospitals.

c. Floods

- Loss of large-scale fixed property.
- Loss of human lives.
- Loss of animal lives
- Serious injuries.
- Loss of moveable assets.
- Loss of food.
- Pollution.
- Inaccessibility of roads.
- Disruption of Municipal service delivery.
- Poverty.
- Additional funds which have to be made available for the repair of infrastructure (negative impact on Municipal as well as Provincial budget).
- Provision of alternative temporary accommodation.
- Outbreak of illness.
- Damage can be sustained to storm-water pipes and sewer pipes.
- Power disruptions can occur.
- Overcrowded hospitals.

d. Service Station Fires

- Loss of human lives.
- Loss of fixed property.
- Loss of movable property.
- Disruption of road transport.
- Power disruptions.
- Petroleum which could land in storm-water pipes.
- Pollution.
- Rebuilding of service station (unforeseen expenditure).
- Damage of Municipal Infrastructure.
- Additional funds which have to be made available.

e. Transport of Dangerous Materials

- Fire could occur with the following result.
- Loss of human lives.
- Loss of fixed property.
- Loss of movable property.
- Disruption of road transport.
- Power disruptions.
- Petroleum which could land in storm-water pipes.
- Burning petroleum spreading over a large area.
- Pollution.
- Damage of Municipal infrastructure.
- Additional funds which have to be made available.
- Radio-active material which can be set free and can result in sickness.

f. Aircraft accident(s)

- Occurrence of a fire (structure or veld and forest fire).
- Loss of human lives.
- Loss of animal lives.
- Loss of fixed property.
- Loss of movable property.
- Damage of Municipal Infrastructure.
- Disruption of road transport.
- Disruption of Municipal service delivery.
- Power disruptions.
- Pollution.

g. Mass Gatherings

- Theft.
- Burglary.
- Rape.
- Alcohol abuse.
- Trampling of people.
- Assaults.
- Injuries.
- Deaths.
- Fires.
- Power interruptions.
- Disruption of road traffic.
- Sewer blockages.
- Damage of Municipal infrastructure.
- Loss of fixed property.
- Loss of movable property.
- Additional availability of funds to repair infrastructure.

h. Human Diseases

- Mass human deaths.
- Mass animal deaths.
- Spreading of sickness to humans and/or animals.
- Outbreak of epidemic(s) or pandemic(s).
- Negative impact on the town economy.
- Additional availability of funds to limit and bring sickness under control.
- Decline of tourism.
- Overcrowded hospital.

i. Animal Sicknesses

- Mass animal deaths.
- Spreading of sickness to human and other animals.
- Outbreak of epidemic(s) or pandemic(s).
- Negative impact on the town economy as joblessness will increase.
- Town or certain portions might be placed under quarantine.
- Poverty will occur.
- Additional availability of funds to limit and bring sickness under control.
- Decline of tourism.

j. Power Disruption(s)/Loadshedding

- Negative impact on the town economy as business cannot deliver normal service.
- Municipal service delivery will be disrupted.
- Theft will increase.
- Burglaries will increase.
- Robbery will increase.
- Assault will take place.
- Food Poisoning will occur.
- Disruption of road traffic.
- Increase in vehicle accidents.
- Aircraft accident(s).
- Decline of tourism.

k. Hailstorm(s)

- Injuries.
- Deaths.
- Damage to fixed property.
- Damage or disruption of moveable property.
- Theft.
- Sickens can occur.
- Availability of adequate or sufficient building material.
- Flooding.
- Availability of alternative temporary accommodation.
- Transport of homeless to alternative temporary accommodation.
- Power disruptions.

I. Earthquake(s)

- Loss of human lives.
- Loss of animal lives.
- Outbreak of epidemic(s) or pandemic(s).
- Large scale injuries.
- Loss of fixed property.
- Loss of movable property.
- Large scale damage of Municipal infrastructure.
- Power disruptions.
- Negative impact on the town economy.
- Extended rebuilding of infrastructure.
- Inaccessibility to town.
- Inaccessibility from town.
- Unemployment.
- Poverty.
- Decline of tourism.

8. PRIMARY AND SECONDARY RESPONSIBILITIES

Internal to the Municipality:

8.1 Financial Services

8.1.1 Duties and responsibilities

The Financial Services must allocate budget annually for disaster incidents.

8.1.2 Procedure during a disaster

- The Financial Services must assign a person to do the necessary funding proposals for disasters.
- The person assigned must work closely with the disaster management official and nongovernmental organisations.

8.2 Fire, Rescue and Disaster Management Services

8.2.1 Duties and responsibilities

- The primary task of this discipline is to extinguish fires as early and effectively as possible in order to save human and animal life and property.
- The fire brigade is primarily responsible for firefighting, rescue and evacuation.
- The fire brigade will be involved in all the risks as identified.
- The fire brigade must ensure that fire risks are reduced or minimised.
- The fire brigade must make a survey of all fire hydrants marking them clearly visible and also ensure that they are in working condition.
- Fire brigade volunteers must be trained in the combating of fires, rescue and evacuation.
- Lectures and demonstrations must be provided to the public in order that they may be informed regarding the preventative measures to be taken and the purchasing of firefighting

apparatuses must be encouraged.

- Existing firefighting equipment must be inspected regularly.
- Surveys must be made of the different types of hazardous materials transported in the Langeberg Municipal area to mitigate the possible spill of the materials.

8.2.2 Procedure during a disaster

- On receipt of an emergency call, the fire brigade chief will activate his/her disciplines and they will visit the site immediately.
- The head of the fire brigade reports to the JOC.
- Fire brigade staff will undertake fire combating, rescue and evacuation.
- Nobody leaves the disaster site without the permission.

8.3 Roads, Transport and Stormwater Services

8.3.1 Duties and responsibilities

- The primary task of this discipline is to provide alternative routes and to repair roads as early as possible.
- The head of the department reports to the JOC.
- Streets must also be cordoned properly on a continuous basis and where problems are identified, such problems must be addressed.
- The storm-water system must be maintained on a continuous basis.
- Provision must be made for emergency stock such as storm-water pipes, the necessary requirements and road signs.
- To maintain a record of external sources with a view to assistance during a disaster.

8.3.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- The head of the department reports to the JOC.
- Nobody leaves the disaster site without the permission of the disaster management official.

8.4 Sewerage: Wastewater Treatment Services

8.4.1 Duties and responsibilities

- It is the primary task of this discipline to repair the sewer network and everything associated therewith as early as possible.
- To plan timeously how the sewerage can be discharged/removed in the case of a break of pipelines.
- To make surveys of the availability of equipment in the area used in a disaster situation.
- To make surveys of qualified specialists who could be involved in the functions of the discipline.
- To maintain a record of external resources with a view to assistance during a disaster.

8.4.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.
- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- Nobody leaves the disaster site without the permission.

8.5 Stormwater Drainage Services

8.5.1 Duties and responsibilities

- The primary task of these disciplines is to repair water supply networks as early as possible.
- To determine and to record on charts the position of water pipes, storage dams and their capacities.
- To take surveys of other water storage places, such as boreholes, farm dams, etc. in the area and to maintain a proper record thereof.
- To determine how drinking water could be provided along other methods for consumers cut off from existing water resources.
- To make surveys of qualified experts who could be involved in the activities of this discipline.
- To plan how water can be provided to consumers when disruptions or breaks in pipelines occur.
- To encourage the public to provide rainwater tanks at their homes as a possible water source in the case of emergency.
- To maintain a record of external resources with the view to assistance during a disaster.

8.5.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.
- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- Nobody leaves the disaster site without the permission.

8.6 Traffic and Law Enforcement Services

8.6.1 Duties and responsibilities

- The primary task of this discipline is to arrange traffic and to lead vehicles along alternative routes, as well as to limit collisions and traffic congestions to an absolute minimum.
- The discipline must be prepared to handle any emergency or disaster situation which may occur in the area.
- External resources must be identified with a view to assistance during a disaster.

8.6.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.

- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- Nobody leaves the disaster site without the permission of the disaster control official.

8.7 Engineering (Electrical) Services

8.7.1 Duties and responsibilities

- The task of this department is to repair power disruptions as early as possible.
- The discipline must be kept continuously prepared to handle any emergency or disaster situation which may occur in the area.
- To undertake investigation regarding the best method upon which electricity could be connected during power disruptions along other methods and other routes in order to provide electricity to consumers.
- To make surveys of qualified experts as well as private contractors in the area with a view to assistance during a disaster.
- To ensure that there is adequate electricity supply provision at all times.
- To test equipment on a regular basis to ensure that it is in a good working condition.
- To make a survey of all power generators in the area with a view to use thereof during a disaster.

8.7.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.
- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- Nobody leaves the disaster site without the permission.

8.8 Parks and Amenities Services

8.8.1 Duties and responsibilities

- The primary task of this discipline is to undertake clearing work as early and effectively as possible.
- To plant ground covers as far as possible in order to limit soil erosion to a minimum.
- To lop and remove tree branches, trees and shrubs presenting a danger.
- To examine the working of all equipment continuously to establish that it is in a good working condition.
- To clean the rivers flowing through the Langeberg Municipal area on a regular basis.
- The removal of trees, shrubs and driftwood.

8.8.2 Procedure during a disaster

- The head of the discipline must summon the available personnel to the disaster site when an emergency call is received.
- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of

streets and the indication of alternative routes.

- Nobody leaves the disaster site without the permission.

8.9 Civil Engineering (Sewerage: Water and Sewer Services)

8.9.1 Duties and responsibilities

- The primary task of this discipline is to undertake clearing work.
- The discipline head must ensure that all equipment is inspected regularly to ensure that it is in a good working condition.

8.9.2 Procedure during a disaster

- The head of the discipline must summon all available personnel to the disaster site when an emergency call is received.
- The head of the department reports to the JOC.
- The discipline, in co-operation with the traffic department, is responsible for the closing of streets and the indication of alternative routes.
- Nobody leaves the disaster site without the permission.

8.10 Corporate Services

8.10.1 Duties and responsibilities

- The discipline is primarily responsible for the maintenance of municipal property.
- The discipline head must therefore ensure that municipal buildings are maintained in an excellent condition and not present a danger for the general public.

8.10.2 Community Facilities and Housing

- The discipline head must make a survey of all municipal halls as well as particulars of the people in charge of such halls.
- Arrangement of emergency housing or alternatives

9. Government spheres responsible for the risks identified

<u>Government spheres responsible for risks identified</u>		
<u>Hazard Identified</u>	<u>Primary</u>	<u>Supportive</u>
Human diseases	National	All
Domestic waste water pollution	Local	All
Crime	National	Local
Riverine flooding	Local	All
Alcohol abuse	Provincial	All
Veld fires	CWDM	All
Drug abuse	Provincial	All
Domestic solid waste pollution	Local	All
Traffic accidents	Local	All
Dam failure	National	Local
Water pollution	National	All
Localised flooding due to blocked storm water drains	Local	Province
Fires resulting from the use of candles, paraffin, illegal electricity cables	Local	All
Pests	Provincial	All
Transportation of hazardous materials	Local	All
Illegal electricity cables	Local	
Animals	Local	All
Drought	Local	All
Public unrest	National	All
Open water sources	Local	All
High-risk installations	Local	All
Air pollution	Local	All
Xenophobia	National	All
Load shedding	National	All
Aircraft accidents	Local	All
Snowfalls	Local	All
Wind storms	Local	All
Structural fires	Local	All

10. Disaster Risk Reduction

Concerning the Disaster Risk Reduction within Langeberg, the following process, figure 10, is followed in order to ensure a pro-active response.

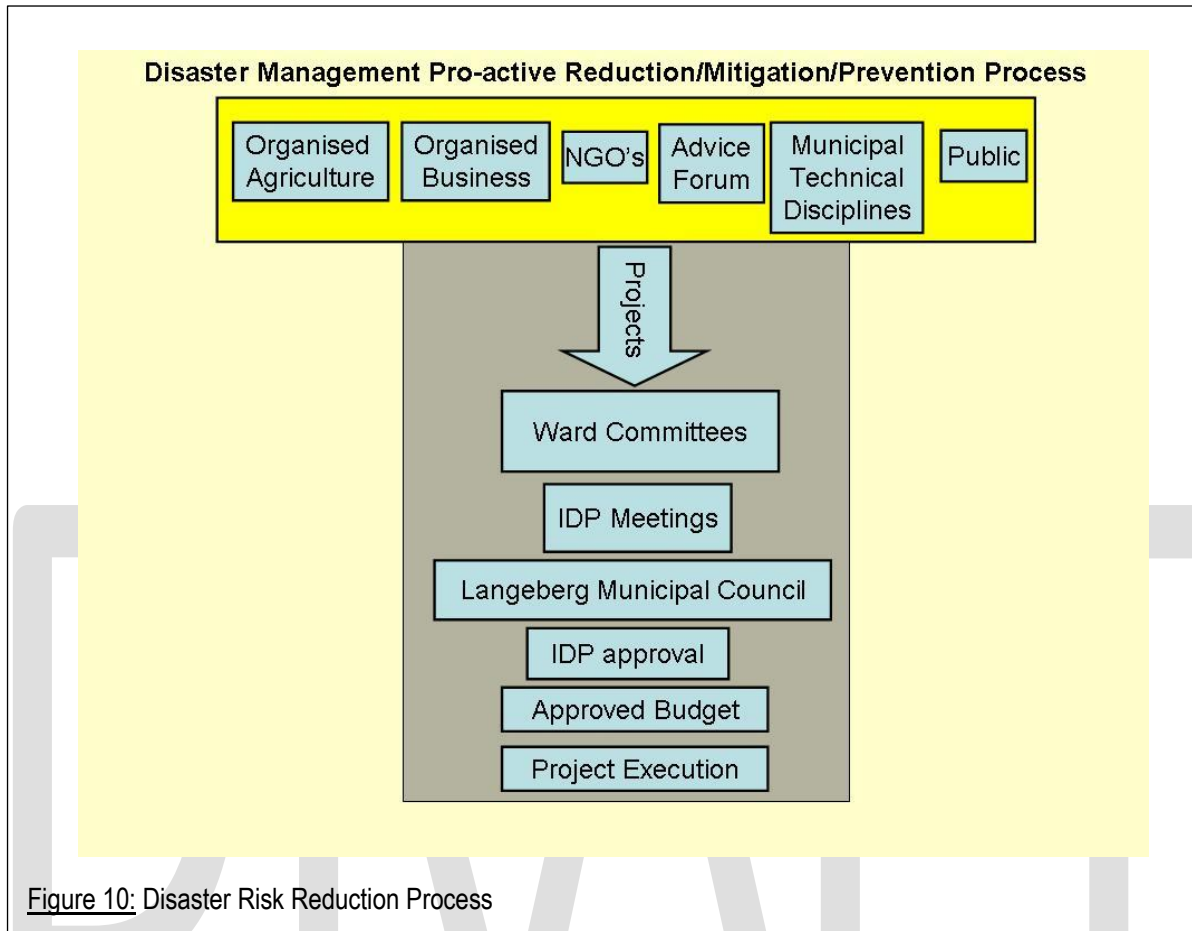


Figure 10: Disaster Risk Reduction Process

The total structure of the municipality, with every member of personnel and every resource should also be committed to disaster risk reduction.

It is vital that the Disaster Risk Reduction measures are included in the plan, as, inter alia, it becomes a mandatory issue with the declaration of a local disaster. In terms of Section 56 of the Act any financial assistance provided by a national, provincial or municipal organ of state may take into account:

- Whether any prevention and mitigation measures were taken, and if not, the reasons for the absence of such measures;
- Whether it is reasonable to expect that prevention and mitigation measures should have been taken in the circumstances;
- Whether the damage caused by the disaster is covered by adequate insurance, and if not, the reasons for the absence or inadequacy of insurance cover.

A multi-disciplinary project team convened to address and reduce specific disaster risk/s can be formed; It is to be assembled by the primary role-player for the risk and supported by Disaster Management. The primary role-players for specific hazards or disaster risks, in collaboration with the Manager: Langeberg Disaster Management, will establish and manage risk-reduction project teams as required or requested by the structures identified for the development of the IDP

Figure 11 displays a template used to reflect the outcomes of the IDP:

Risk	Dept 1	Dept 2	Dept 3	Dept 4
Risk A: Fires	Fire Services (Langeberg and CWDM)	Housing	Provincial Social Services	
Risk B: Floods	Disaster Management	Engineering Services	Traffic Services	SAPS and EMS
Risk C: Transportation of dangerous goods (rail and road)	Provincial Roads	Western CapeProvince:	Dept Health CWDM: Health	X

11. Preparedness Planning

Disaster Preparedness is the first phase of the Disaster Management Cycle, in this phase all activities are focused on planning and preparing for possible risks, capacitating any vulnerable communities or people that are at risk and implementing efforts in reducing disaster impacts.

The organizational structure for preparedness within the municipality includes; Langeberg Disaster Management, The Executive Management Team of the Langeberg Municipality, and Joint Response & Relief Management Teams (appointed during multi-disciplinary events).

The total structure of the municipality, with every member of personnel and every resource forms part of preparedness capacity.

In the case of a specific event, the Standard Procedure outlined in the Response stage will be followed.

The Public Emergency Communications Centre supported by Langeberg Complaint Centre provides 24-hour emergency and essential services contact point to the public within the municipal area. The Public Emergency Communications Centre is responsible for life threatening emergencies, whilst the Langeberg Complaints Centre is responsible for day-to-day response by municipal disciplines and for the establishment of strategic communication links.

Preparedness and Risk reduction plan with regards to the hazards based in the ward based risk assessment:

Integration of the disaster risk reduction into development planning:

Disaster risk reduction efforts are generally medium to long term efforts, focusing on vulnerability reduction and should be incorporated into ongoing IDP projects, processes, programs and structures.

12. Response

There is a Generic Disaster Management Plan which is utilized in the event of an incident. Dependent on the specific type of incident, the Manager: Disaster Management will direct it. The following is the Standard Procedure as well as the graphical representation, which includes the chain of events during any serious or potential disaster incident, the declaration of the state of disaster and the contact numbers for the relevant role-players are also included.

a. Standard Procedure: Chain of events during any serious or potential disaster incident

1. The incident is reported to a responsible discipline or other instance/person (such as the Public Emergency Communications Centre and the Langeberg 24-hour complaints centre)
2. The responsible Discipline head informs the Manager: Disaster Management.
3. The Manager: Disaster Management reports the incident to:
 - i. Municipal Manager (Langeberg Municipality): Mr DP Lubbe - 023 615 8000
 - ii. Relevant Directors (e.g. Community Services: Mr Mike Mgajo 023 626 8000/ 082 411 0344)
 - iii. Relevant OMT members;
 - iv. The Head of Centre: Disaster Management (CWDM): Mr S Minnies – 082 779 9823 / 021 888 5847
 - a. The Head of Centre: Disaster Management (CWDM) must report the incident to the following:
 - Municipal Manager or delegated person;
 - SAPS Commander: Col Alexander - 082 778 6912/ 023 626 8340
 - Provincial Traffic Swellendam: 028 514 1185
 - Provincial Traffic Worcester: 023 342 2357
 - Transnet: 023 348 4842/3
 - Department of Water and Sanitation: 023 348 5600
 - Provincial Disaster Management Centre: 021 937 6300
 - District Health Officials: 023 626 8300
 - v. Other role-players as scheduled
4. All discipline heads arrange for immediate size-up of the incident regarding the impact it has on their particular disciplines, to determine:
 - i. Damage to infrastructure (e.g. water delivery, sewage, electricity, roads/bridges, roadways, housing and commercial/industrial institutions)
 - ii. Life and property threatening situations;
 - iii. Immediate mitigation operations;
 - iv. Auxiliary resource needs (e.g. private contractors, specialist equipment, other external institutions/organisations, including NGO's)
 - v. Projected short term and long term implications of the incident
 - vi. The impact, the incident has on the roads and access for emergency transport and teams to the incident;
 - vii. Any other aspects that needs immediate response for rapid service delivery continuation.
5. The JOC (Joint Operations Centre), via the allocated members of the OMT, perform the following functions:
 - i. Co-ordinates mitigation operations according to priorities for:
 - a. Early warning of potentially affected areas;
 - b. The saving of lives;
 - c. Emergency housing;
 - d. Emergency rations;
 - e. Other disaster management mitigation strategies.
 - ii. Keeps record of all incidents/events and actions
 - iii. Informs all strategic role-players and control centres at least once per hour regarding developments.

b. Declaration of a state of disaster and disaster classification

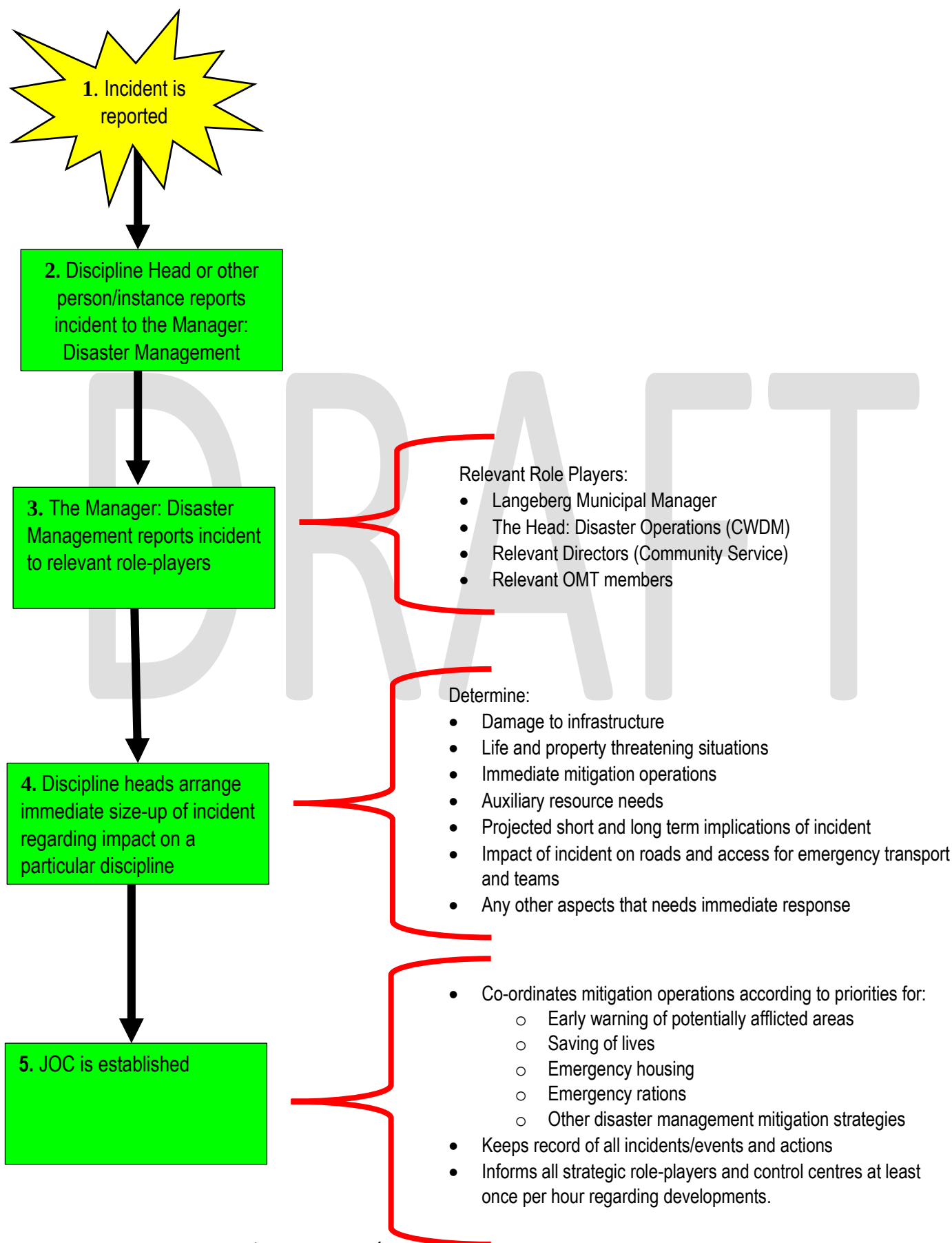
When a disastrous event occurs in the area of the municipality and the Municipal Manager regards the situation as a disaster in terms of the Act, he/she must

- Initiate efforts to assess the magnitude and severity or potential magnitude and severity of the disaster;
- Alert Disaster Management role players in the municipal area that may be of assistance in the circumstances;
- Initiate the implementation of the disaster response plan or any contingency plans and emergency procedures that may be applicable in the circumstances; and
- Inform the Cape Winelands, National and the Western Cape Provincial Disaster Management Centres, of the disaster and its initial assessment of the magnitude and severity or potential magnitude and severity of the disaster.

Irrespective of whether a local state of disaster has been declared or not, the municipality is primarily responsible for the co-ordination and management of local disasters that occur in its area.

Whether or not an emergency situation is determined to exist, municipal and other agencies may take such actions under this plan as may be necessary to protect the lives and property of the inhabitants of the municipality.

c. Graphical Representation of Standard Procedure



d. Information and communication during a disaster

- All communications will be dealt with in accordance with the Langeberg Municipality council policies and standard operating procedures.
- All disaster related incidents or life threatening incidents are to be reported to the Public Emergency Communications Centre as the primary which activate the relevant stakeholders for the incident.
- In the event of unforeseen circumstances the Langeberg Call Centre will be the secondary means of contact

e. Preventative and Mitigation

1. Prevention:

- upgrading of existing infrastructure
- education in prevention of fires;
- training on firefighting;
- proper town planning
- upgrading of existing infrastructure
- education with regard to the prevention of human illnesses;
- regular vaccination of animals to minimise animal sicknesses;
- giving attention to early warning systems;
- proper identification of communities who are the most vulnerable.

2. Mitigation:

- assistance to victims (emergency alleviation);
- expeditious repair of infrastructure where possible;
- spiritual guidance;
- moral support to victims;
- financial support to victims;
- relocating victims to less dangerous areas.

f. Contact List of internal role-players

EXECUTIVE MANAGEMENT TEAM				
TITLE	NAME	POST NAME	E-MAIL ADDRESS	CONTACT NUMBER
Mr	DP Lubbe	Municipal Manager	mm@langeberg.gov.za	023 615 8001
Mr	A W J Everson	Director: Corporate Services	aeverson@langeberg.gov.za	023 615 8007
Mr	M Shude	Director: Financial Services (CFO)	mshude@langeberg.gov.za	023 615 8029
Mrs	C O Matthys	Director: Strategy & Social Development	cmatthys@langeberg.gov.za	078 801 0482
Mr	M Mgajo	Director: Community Services	mmgajo@langeberg.gov.za	083 626 8200
Mr	Vacant	Director: Engineering Services	mm@langeberg.gov.za	023 615 8001

OPERATIONAL MANAGEMENT TEAM				
TITLE	NAME	POST NAME	E-MAIL ADDRESS	CONTACT NUMBER
Mr.	Gerrit Moelich	Senior Manager: Administrative Support	gmoelich@langeberg.gov.za	023 615 8019
Mr.	AB Bronn	Assistant Manager: Governance Support	info@langeberg.gov.za	023 626 8013
Mr.	TH Carstens	Manager: Human Resources	tcarstens@langeberg.gov.za	023 615 8035
Mr.	E Jooste	Manager: Labour Relations	ejooste@langeberg.gov.za	023 615 8018
Mr.	A Dondolo	Assistant Manager: Traffic Services	adondolo@langeberg.gov.za	023 615 8901
Ms.	Inge Cook	Manager: Social Development	icook@langeberg.gov.za	023 626 8201
Mr.	MZ Prins	Network Administrator: Information Communication Technology	zprins@langeberg.gov.za	023 626 8201
Ms.	Linda Nokama	Manager: Budget Office	lnokama@langeberg.gov.za	023 615 8000
Mr.	S Ngcongolo	Manager: Supply Chain Management	sngongolo@langeberg.gov.za	023 615 8000
Ms.	Jo-Verda Ladouce	Manager: Income Services	jladouce@langeberg.gov.za	023 615 8042
Mr.	CJ Franken	Manager: Expenditure Services	cfranken@langeberg.gov.za	023 615 8000
Mr.	CGH Posthumus	Senior Manager: Civil Engineering Services	cposthumus@langeberg.gov.za	023 615 8000
Mr.	George Lotter	Manager: Electrical Engineering Services	glotter@langeberg.gov.za	023 626 8200
Mr.	GM Slingers	Manager: Solid Waste Management	gslingers@langeberg.gov.za	023 616 8000
Mr.	NW Albertyn	Manager: Project Management	nalbertyn@langeberg.gov.za	023 626 8200
Ms.	Tracy Brunings	Manager: Town Planning	tbrunings@langeberg.gov.za	023 614 8000
Ms.	LJH April	Manager: Community Facilities	l april@langeberg.gov.za	023 625 8200
	Vacant	Manager: Parks & Amenities		023 626 8200
Ms.	MB Brown	Manager: Housing Projects	mbrown@langeberg.gov.za	023 626 8200
Mr.	N.E. Mdluli	Chief: Fire and Disaster Management	nmdluli@langeberg.gov.za	023 492 0093/023 626 8200
Mr.	Bongo Bakaco	Manager: IT	bbakaco@langeberg.gov.za	023 626 8200

g. Contact List of role-players

	NAME	LOCATION	TELEPHONE NUMBER
AGRICULTURE			
Western Cape Department of Agriculture (Provincial Office)		Eisenberg	021 808 5111
Department of Agriculture		Montagu	023 614 3611
Animal Disease Control		Swellendam	028 514 1670
Landcare (Provincial)		Eisenberg	021 808 5090
Department of Land Affairs		Worcester	023 342 0107
Department of Land Affairs (Provincial)		Cape Town	021 409 0300
VETERINARY			
Provincial Veterinary Laboratory Services		Stellenbosch	021 887 0324
Veterinarian			021 808 5057
Veterinarian		Montagu	023 614 2641
SOUTH AFRICAN POLICE SERVICES			
South African Police Services	Col. Alexander	Robertson	023 626 8340
South African Police Services	Capt. CW Le Roux	Ashton	023 615 8120/8130
South African Police Services	Capt. Jafta	McGregor	023 625 8000/ 082-4693298
South African Police Services	Capt. Mathysen	Bonnievale	023 616 8060/082 778 7377/ 023 616 8062
South African Police Services	Lt Col. WeWers	Montagu	023 614 8300/8304
TRAFFIC			
Langeberg Municipality		Langeberg	0236158900/0236158000
Provincial	Traffic Chief: Francois Stuart	Swellendam	0285141185/Francois.Stuart@westerncape.gov.za
Provincial	Traffic Chief: Mbulelo Giba	Worcester	0233422357/Mbulelo.Giba@westerncape.gov.za
ENVIRONMENTAL AFFAIRS AND DEVELOPMENT PLANNING			
Provincial			0214834091/enquiries.eadp@westerncape.gov.za
HEALTH			
Department of Health (Provincial)	Dr. K. Cloete		021 483 7216/service@westerncape.gov.za
Department of Health		Worcester	023 348 8100
Langeberg Provincial Hospitals	Medical Services Manager: Dr. Nellis Beyers	Robertson	0236268500
Municipal Health Services	Surene Grootboom	Cape Winelands	023 626 3191
Environmental health: Provincial Component head	Johan Goosen	West Coast/ Winelands	022 709 5065

Environmental health: Provincial Component head	Guillaume Olivier	Boland/Overberg	023 348 1431 082 928 8467
Director: Cape Winelands	Dr L. Phillips		023 348 8111
Hospital		Robertson	023 626 8500
Hospital		Montagu	023 614 8100
Hospital (Provincial)		Worcester	023 348 1100
Hospital		Swellendam	028 514 1141
CORRECTIONAL SERVICES			
	Mr M Soci	Robertson	023 626 8109 023 626 8100
CAPE NATURE			
Vrolijkheid Nature Reserve		McGregor	023 625 1621
Jonkershoek Nature Reserve		Stellenbosch	021 866 1560
WATER AFFAIRS AND SANITATION			
			023 348 5600
BOCMA	Elkerine Rossouw	Worcester	023 346 8000
Sanitation	Duke Jephtha	Cape Town	021 941 6264
EMERGENCY MEDICAL SERVICES			
Provincial Ambulance		Worcester	023 346 6000
Emergency Medical Services			10177
District Rescue Manager	John Davids		066 554 4629
Langeberg EMS Management		Robertson	023 626 5409
DISASTER MANAGEMENT			
Western Cape DM Centre		Cape Town	021 937 6300
CWDM DM Centre Head	Shaun Minnies	Stellenbosch	082 779 9823/021 870 3247/ 021 888 5847
FIRE SERVICES			
Local Municipality: Fire Services (office)	Shift On duty	Ashton	023 615 8913
Local Municipality: Fire Services (office)	Shift On Duty	Robertson	023 492 0089
Local Municipality: Public Emergency Communications Centre	Call Taker/Dispatcher	Langeberg	023 615 8911 (Only for fire emergencies) / 0860 881 111
Local Municipality Call Centre		Langeberg	0860 881 111
CWDM fire brigade		Robertson	023 626 5340

13. Recovery

During the recovery phase, the relevant role-players will be involved in order to share their expertise; ensuring a multidisciplinary approach to the situation at hand.

This includes training, education and awareness which is vital in the establishing of effective future ward based risk assessments.

14. Testing and review of the plan

The municipality will regularly review and update its plan, as required by Section 48 of the Disaster Management Act (No. 57 of 2002).

15. Referenced documents

- Cape Winelands District Municipality Draft Disaster Management Framework
- Cape Winelands District Municipality Community Based Risk Assessment, 2008.
- Towards Disaster Management Plans for the Cape Winelands District Municipality (Hazard Identification, Vulnerability Assessment, and Risk Prioritization), 2005
- Cape Winelands District Municipality Community Ward Based Risk Assessment 2015/16
- Sensitizing document: Transport of Hazardous Materials in Bulk: SpoorNet, Undated.
- Agricultural Disaster Risk Management: Agricultural Drought Management Plan, Discipline of Agriculture, August 2007.
- Emergency Preparedness and Response Plan, Drakenstein Local Municipality, March 2009.
- Contingency Plan, Metrorail Western Cape, October 2008.
- Hospital Emergency Plans, Medi-Clinic – Worcester, Paarl
- Hospital Emergency Plans, Western Cape Discipline of Health
- Constitution of the Republic of South Africa, 1999.
- Disaster Management Act, 2002 (Act 57 of 2002)
- National Disaster Management Framework, 2005 (Government Notice 654 of April 2005: A
- Policy Framework for Disaster Risk Management in South Africa)
- Fire Brigade Services Act (Act 99 of 1987) as amended.
- Fund Raising Act (Act No 107 of 1978) (FRA)
- Local Government: Municipal Systems Act, 2000 (Act 32 of 2000).
- Major Hazardous Installations Regulations of the Occupational Health and Safety Act
- Road Traffic Act
- Social Assistance Act, 1992 (Act no 59 of 1992)