

**PROTECT
OUR
SCARCE
WATER
RESOURCES**

DROUGHT



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

Drought statistics

The drought statistics covers the period up to end December 2009.

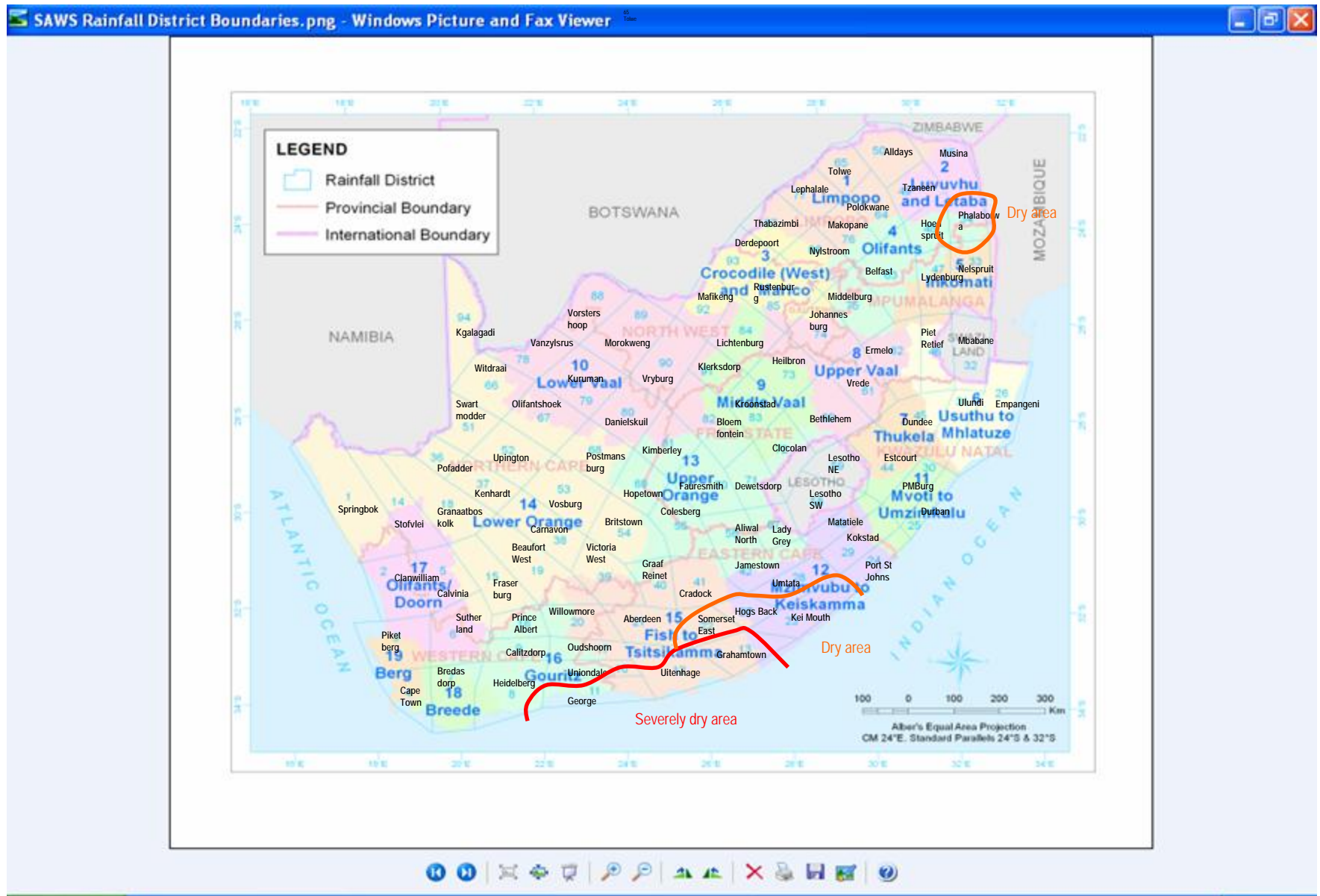
Rainfall:

The following SAWS rainfall districts received 80% or less of their respective Mean Annual Precipitation (MAP) over the period January to December 2009 and are considered districts experiencing drought conditions:

District	MAP (mm)	01/09-12/09 Rain (mm)	Last 12 month rain As % MAP	Comments
George (Eden)	755	477	63	Equals worst 12 consecutive months of rainfall since 1921 and is considered severely dry . The current drought started approximately in March 2008. It is understood that severe water use restrictions are in place, sewage water is redirected to the purification plants, water is abstracted from 'undammed' rivers and desalination of sea water has been or are being implemented to augment the available storage and demand.
Uitenhage (Cacadu)	525	360	69	This district is considered severely dry . The current drought started approximately in February 2008.
Grahamstown (Cacadu/Amatole)	630	477	76	This district is considered severely dry . The current drought started approximately in February 2008.
Somerset East (Chris Hani/Amatole/Cacadu)	450	358	80	The rainfall is generally below the MAP since approximately March 2008 and is considered dry at this point in time.
Kei Mouth (OR Tambo/Amatole)	795	600	75	The rainfall is generally below the MAP since approximately March 2008 and is considered dry at this point in time..
Hogsback (Chris Hani/Amatole)	575	441	77	The rainfall is generally below the MAP since approximately March 2008 and is considered dry at this point in time..
Phalabora	466	337	72	The rainfall is generally below the MAP since approximately January 2008 and is considered dry at this point in time.

A location map is attached at the bottom.

For the 2009 year most of the country received normal to above-normal rainfall with the exception of the southern parts of the Western and Eastern Cape Provinces, the western parts on the North West Province, the south-eastern parts of the Limpopo Province and small areas over northern KZN.



Storage:

District	Remarks
Cacadu	<p>The joint storage is currently at 39.6% of total storage capacity and very slowly declining.</p> <ul style="list-style-type: none"> • Nqweba Dam: Storage is 66.2% which is 52% above the median storage and gradually declining. Thus no problem yet. • Impofu Dam: Storage is 55.8% which is 20% below the median storage and gradually declining. • Groendal Dam: Storage is 47.9% which is 45% below the median storage and gradually declining. • Kouga Dam: Storage is 43.8% which is 35% below the median storage and gradually declining. • Haarlem Dam: Storage is 36.2% which is 60% below the median storage and gradually declining. • Loerie Dam: Balancing dam of which storage is 38.2% which is 55% below the median storage. • Kromrivier Dam: Storage is 25.6% which is 60% below the median storage and gradually declining. • Darlington Dam: Storage is 22% which is 15% below the median storage.
Chris Hani	<p>The joint storage remains stable around 70% of total storage capacity.</p> <ul style="list-style-type: none"> • Grassridge Dam: Regulated dam of which storage is 46.2% which is 5% above the median storage. • Kommandodrift Dam: Storage is 58.1% which is 10% above the median storage and gradually declining. • Xonxa Dam: Storage is 91.7%. • Lubisi Dam: Storage is 70% which is 15% below the median storage and gradually declining. • Doornrivier Dam: Storage is 62.7% which is 15% below the median storage and gradually declining. • Waterdown Dam: Storage is 69.8% which is 15% below the median storage and gradually declining. • Ncora Dam: Storage is 75.2%.
Amatole	<p>The joint storage is currently at 64.1% of total storage capacity and very slowly declining.</p> <ul style="list-style-type: none"> • Katrivier Dam: Storage is 48.2% which is 50% below the median storage and gradually declining. • Sandile Dam: Storage is 71% and gradually declining.

	<ul style="list-style-type: none"> • Binfield Dam: Storage is 82.2% and gradually declining. • Laing dam: Storage is 97.1%. • Rooikrantz Dam: Storage is 88.8%. • Bridledrift Dam: Storage is 35.3% which is 65% below the median storage and gradually declining. • Nahoon Dam: Storage is 45.8% which is 45% below the median storage and gradually declining. • Ockraal Dam: Storage is 27% which is 55% below the median storage and gradually increasing. • Gubu Dam: Storage is 89.3%. • Wriggleswade Dam: Storage is 91.3%. • Gcuwa Dam: Very variable storages. Storage is 57.5% which is 40% below the median storage. • Xilinxha Dam: Storage is 60.6% which is 35% below the median storage and gradually declining.
Oliver Tambo	<p>The storage (only Mtata Dam) is currently at 70.6% of total storage capacity and gradually increasing.</p> <ul style="list-style-type: none"> • Mtata Dam: Storage is 70.6% which equals the median storage and gradually increasing.
Eden	<ul style="list-style-type: none"> • Garden Route Dam: Storage is 30% which is 70% below the median storage and gradually declining. • Wolwedans Dam: Storage is 37.1% which is 60% below the median storage and gradually declining.