

Current State of Important Dams for South African Citrus

Provincial State of Dams

Hydrological data from Department of Water and Sanitation:

15 November 2016

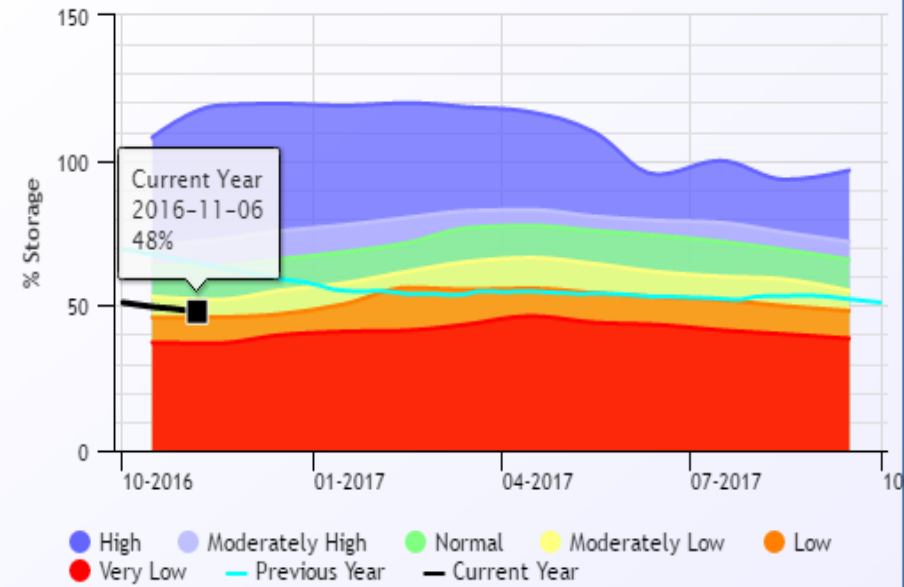
Dam	River	FSC	This Week	Last Week	Last Year	Province	CGA Reg
Binfield Dam	Tyume River	36.9	90.3	90.6	100.0	E.Cape	E. Cape Midlands
Katrivier Dam	Kat River	24.7	90.8	91.1	100.4	E.Cape	E. Cape Midlands
Kouga Dam	Kouga River	126.0	60.2	61.8	100.5	E.Cape	Patensie
Waterdown Dam	Klipplaat River	37.5	95.4	95.5	100.7	E.Cape	E. Cape Midlands
Flag Boshielo Dam	Olifants River	185.2	16.7	17.3	59.4	Limpopo	Hoedspruit
Nzhelele Dam	Nzhelele River	51.3	12.3	13.2	51.1	Limpopo	Limpopo River
Tzaneen Dam	Groot-Letaba River	156.6	15.2	15.8	50.1	Limpopo	Letsitele
Blyderivierpoort Dam	Blyde River	54.4	34.2	36.1	71.6	Mpumalanga	Hoedspruit
Kwena Dam	Krokodil River	158.9	19.4	20.3	70.3	Mpumalanga	Nelspruit
Loskop Dam	Olifants River	361.6	40.8	41.9	70.2	Mpumalanga	Senwes
Middelburg Dam	Little Olifants River	48.1	32.5	33.0	69.5	Mpumalanga	Senwes
Witbank Dam	Olifants River	104.1	#28.5	#28.5	62.3	Mpumalanga	Senwes
Gariep Dam	Orange River	5196.1	47.4	48.3	56.8	OFS	Sunday's River
Berg River Dam	Berg River	127.1	71.4	72.3	85.4	Western Cape	Boland
Brandvlei Dam	Lower Brandvlei River	286.1	55.1	56.5	58.2	Western Cape	Boland
Buffeljags Dam	Buffeljags River	4.6	98.1	100.8	101.5	Western Cape	Boland
Clanwilliam Dam	Olifants River	122.5	95.0	97.7	79.3	Western Cape	Western Cape

Means latest available data

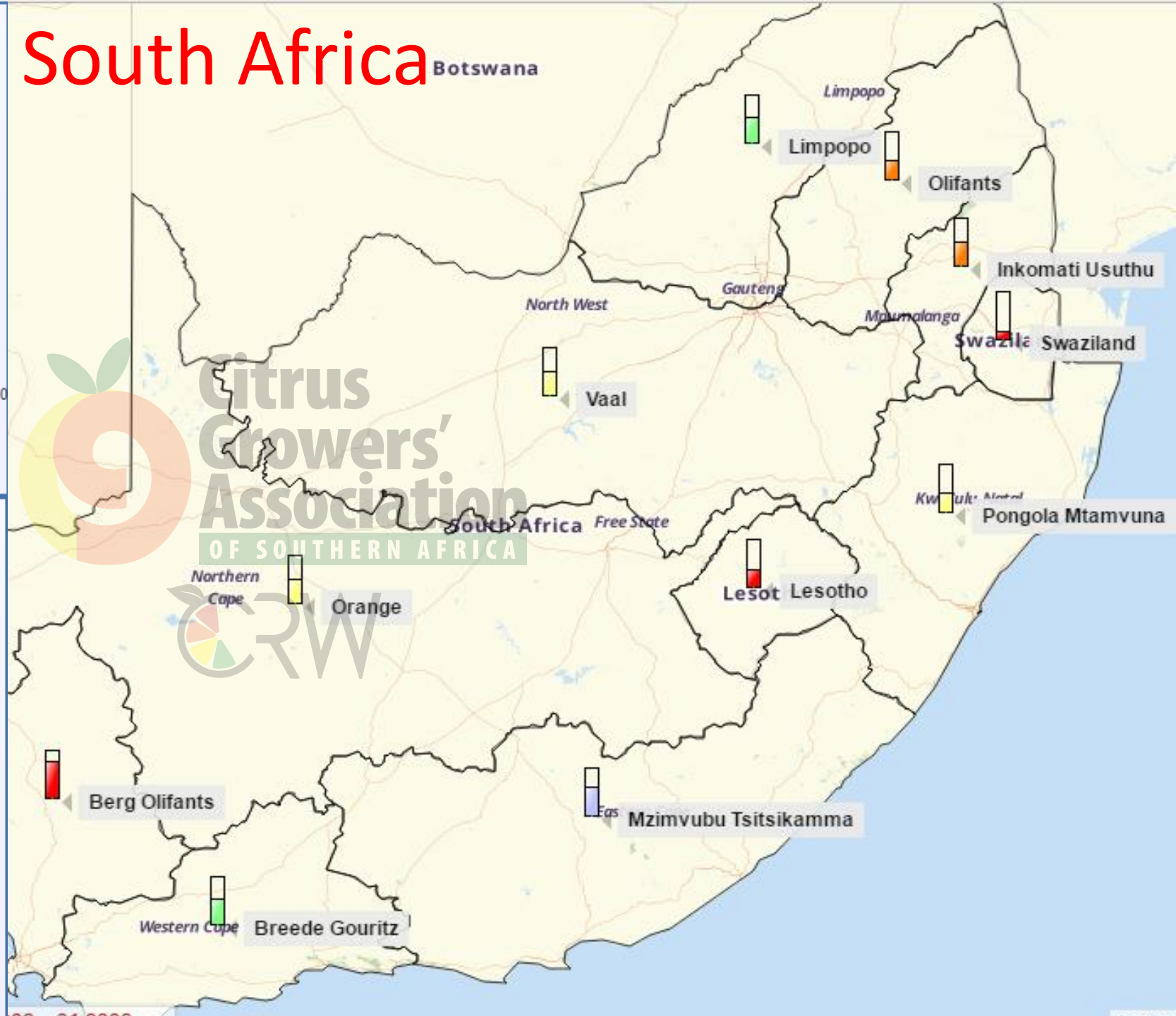
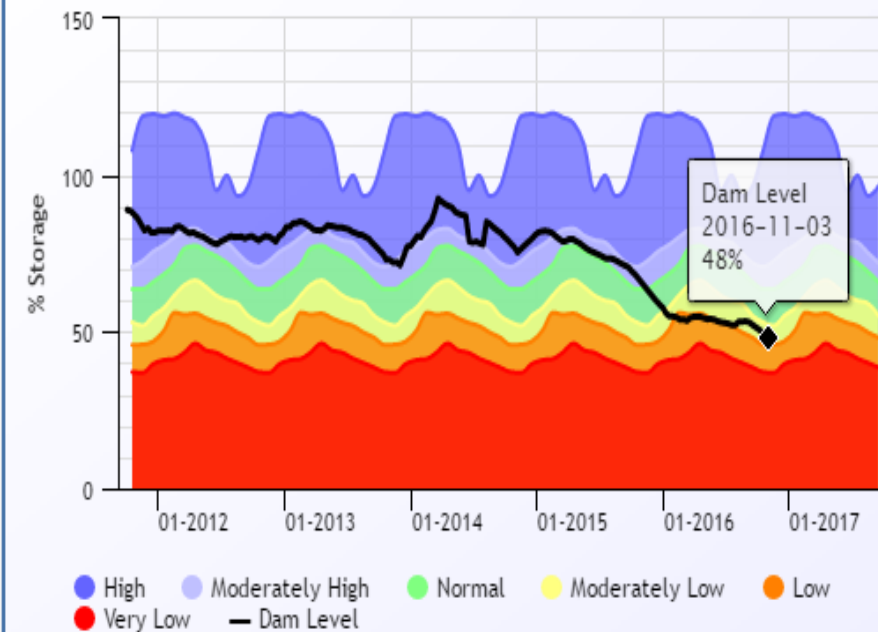
FSC is full storage capacity in million cubic meters

South Africa

Surface Water Storage (National)

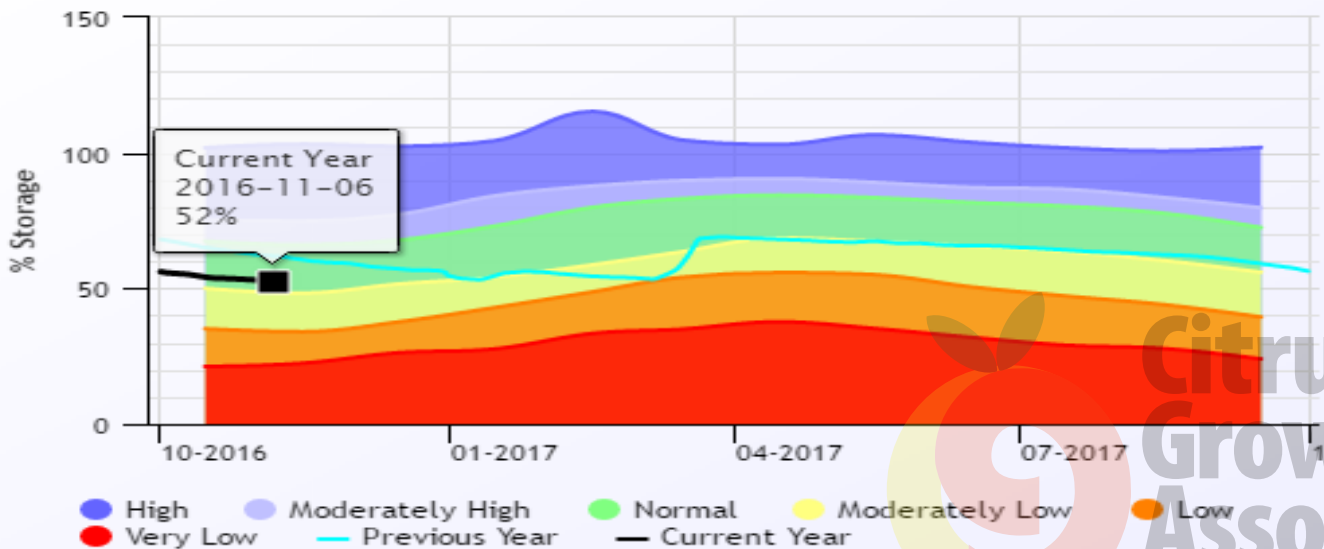


Surface Water Storage (National)

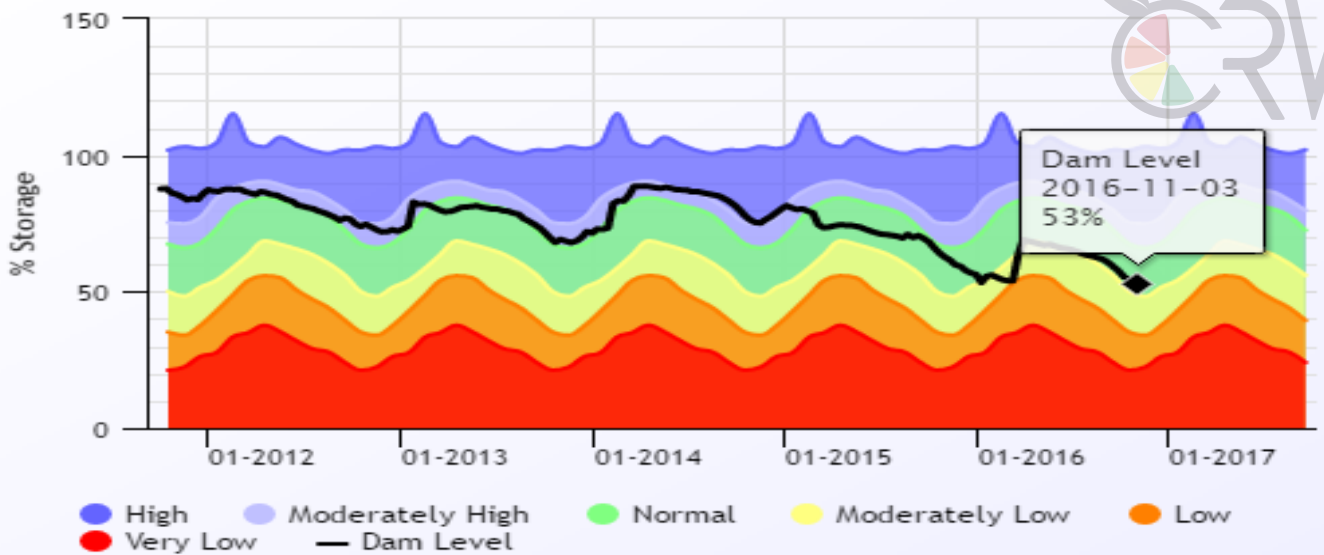


Limpopo Province

Surface Water Storage (Limpopo)



Surface Water Storage (Limpopo)



Reservoir	Date	FSC (Mm3)	Water in Dam (Mm3)	% FSC
Limpopo (32 Dams)				
Nzhelele Dam	2016-11-06	51.2	6.3	12%

Limpopo

% Full Supply Capacity: 52%

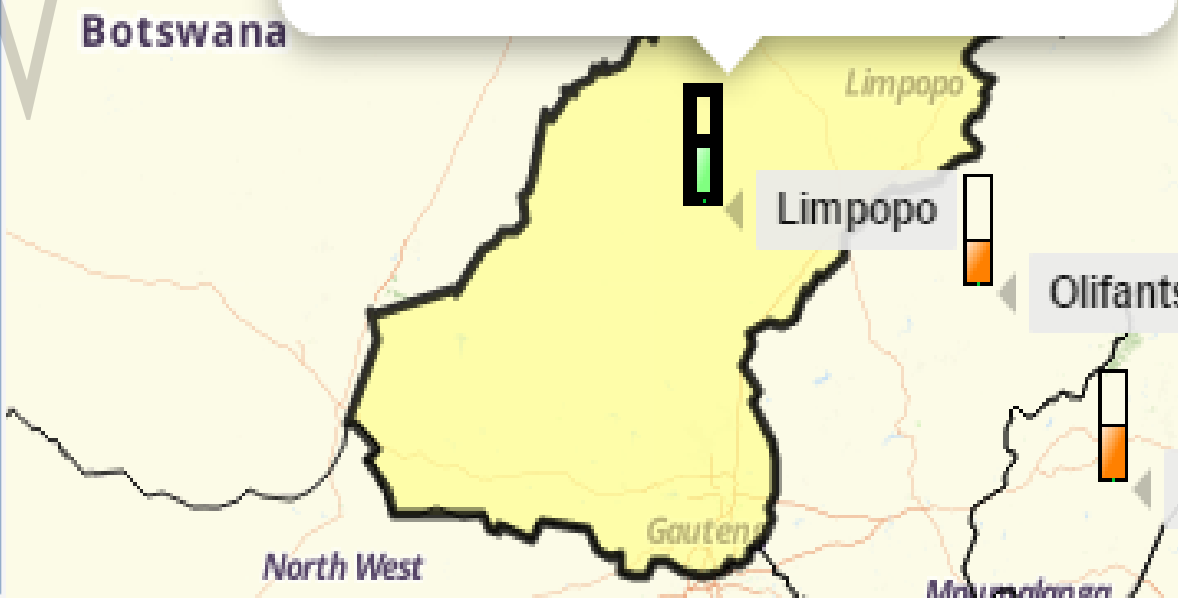
Total Full Supply Capacity: 1295.87 Mm3

Water in Dams: 679.18 Mm3

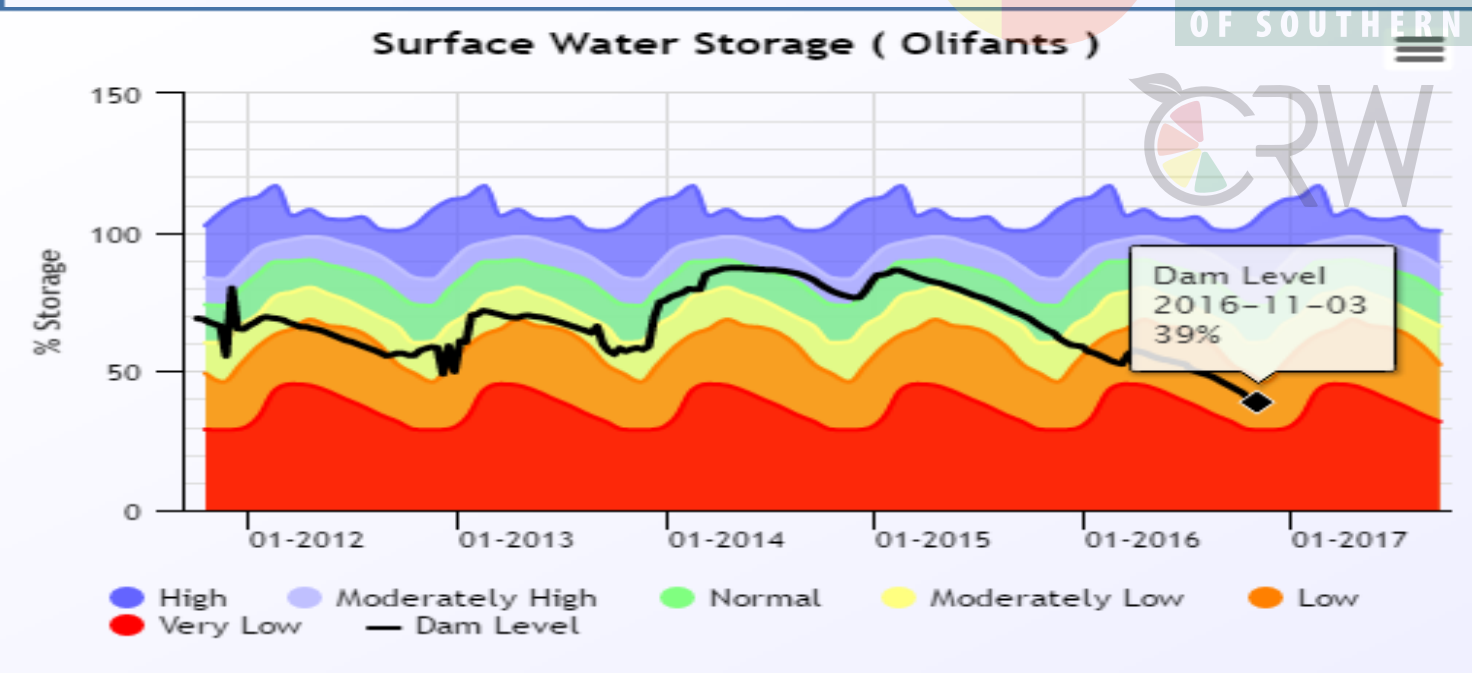
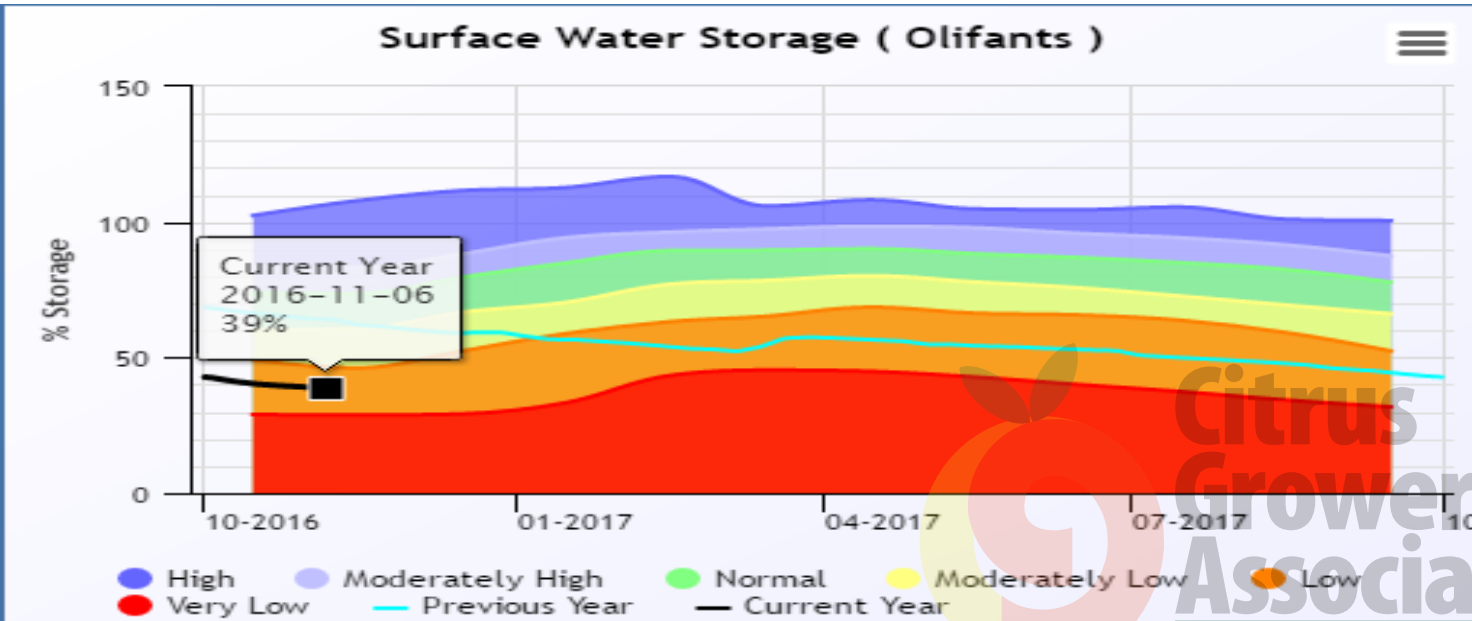
Status: Normal

> 40th Percentile

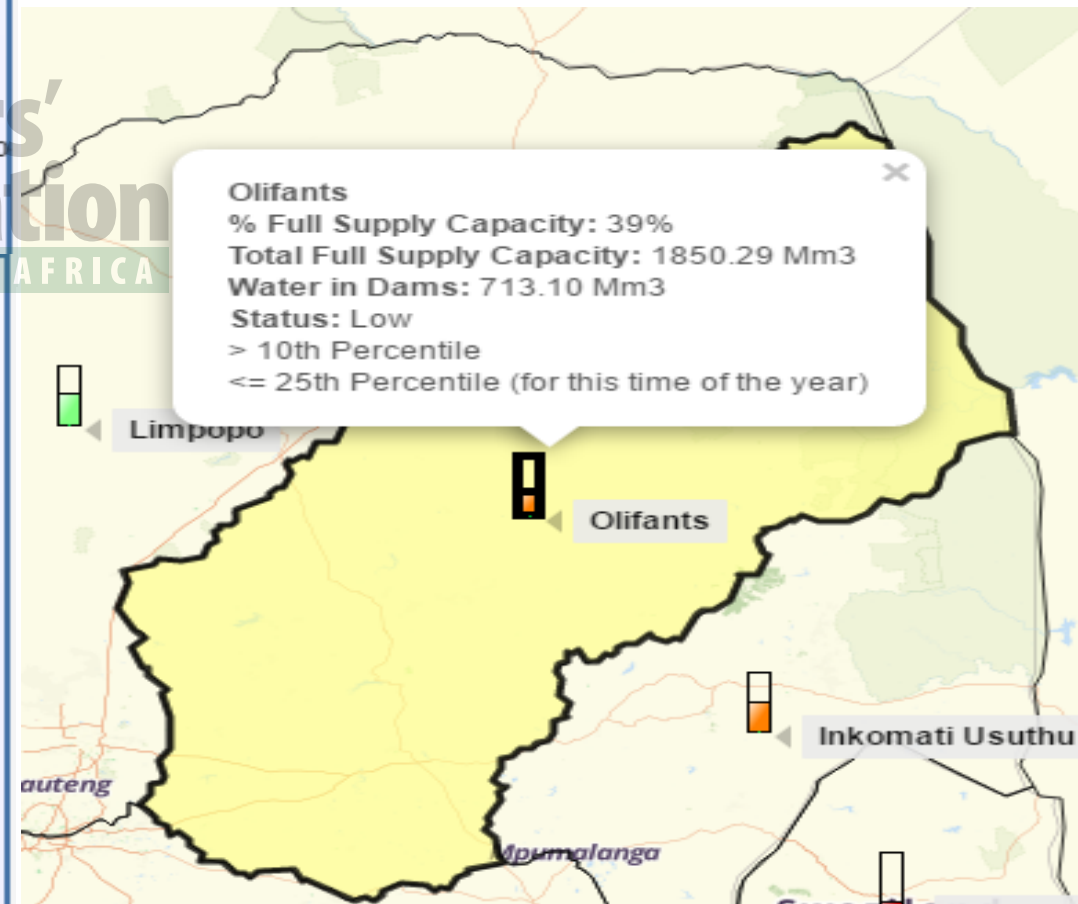
<= 60th Percentile (for this time of the year)



Limpopo/Mpumalanga Province- Olifants

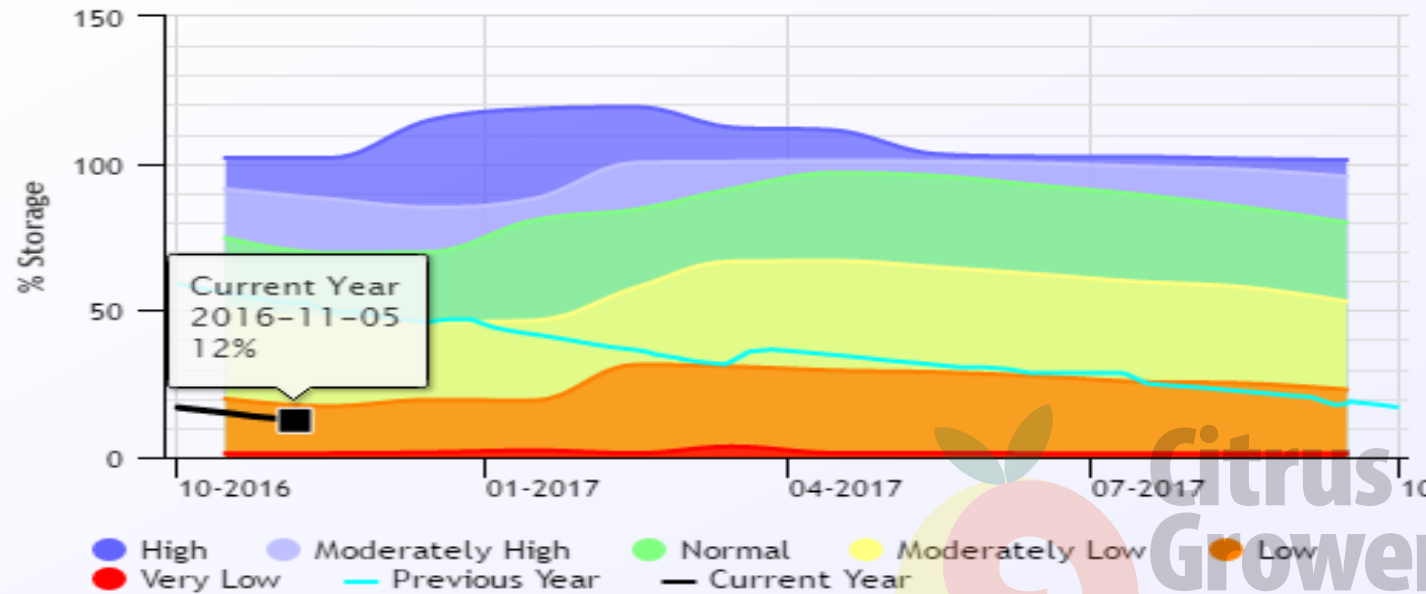


Reservoir	Date	FSC (Mm3)	Water in Dam (Mm3)	% FSC
Olifants (23 Dams)				
Blyderivierpoort Dam	2016-11-06	54.4	18.6	34%
Flag Boshielo Dam	2016-11-06	185.1	30.9	17%
Loskop Dam	2016-11-06	361.5	147.8	41%
Tzaneen Dam	2016-11-06	156.5	23.9	15%

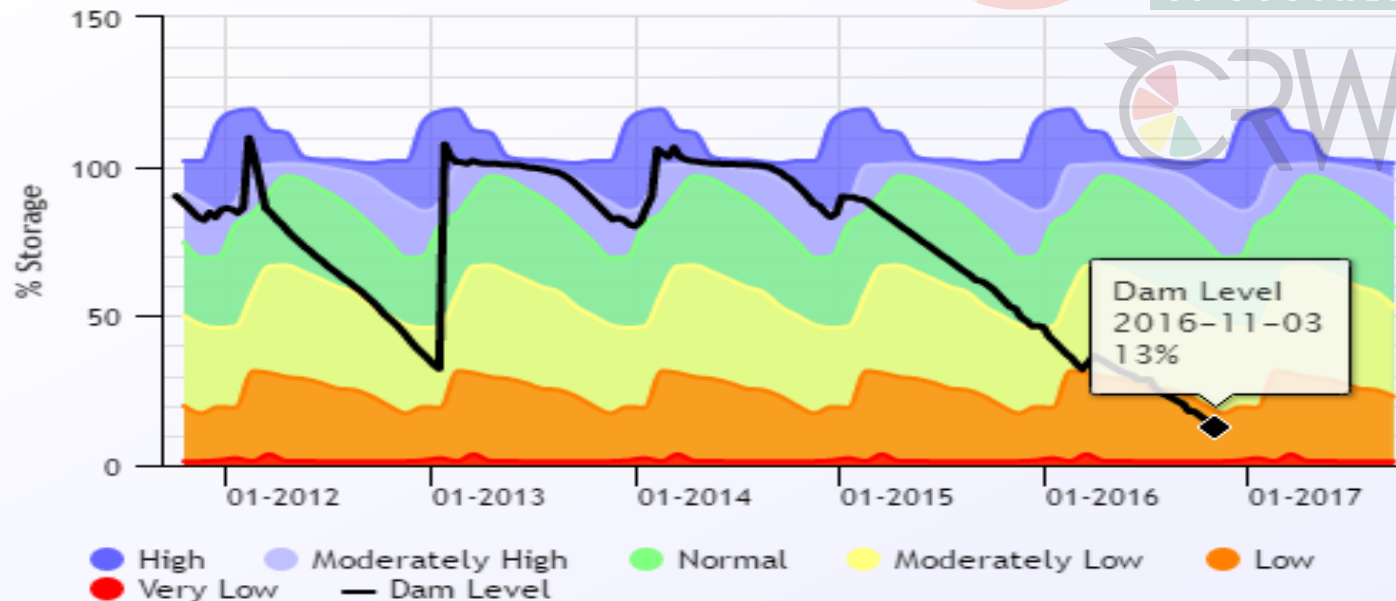


CGA: Limpopo River

Surface Water Storage (Nzhelele Dam)



Surface Water Storage (Nzhelele Dam)



Nzhelele Dam

% Full Supply Capacity: 12%

Full Supply Capacity: 51.23 Mm³

Water in Dam: 6.34 Mm³

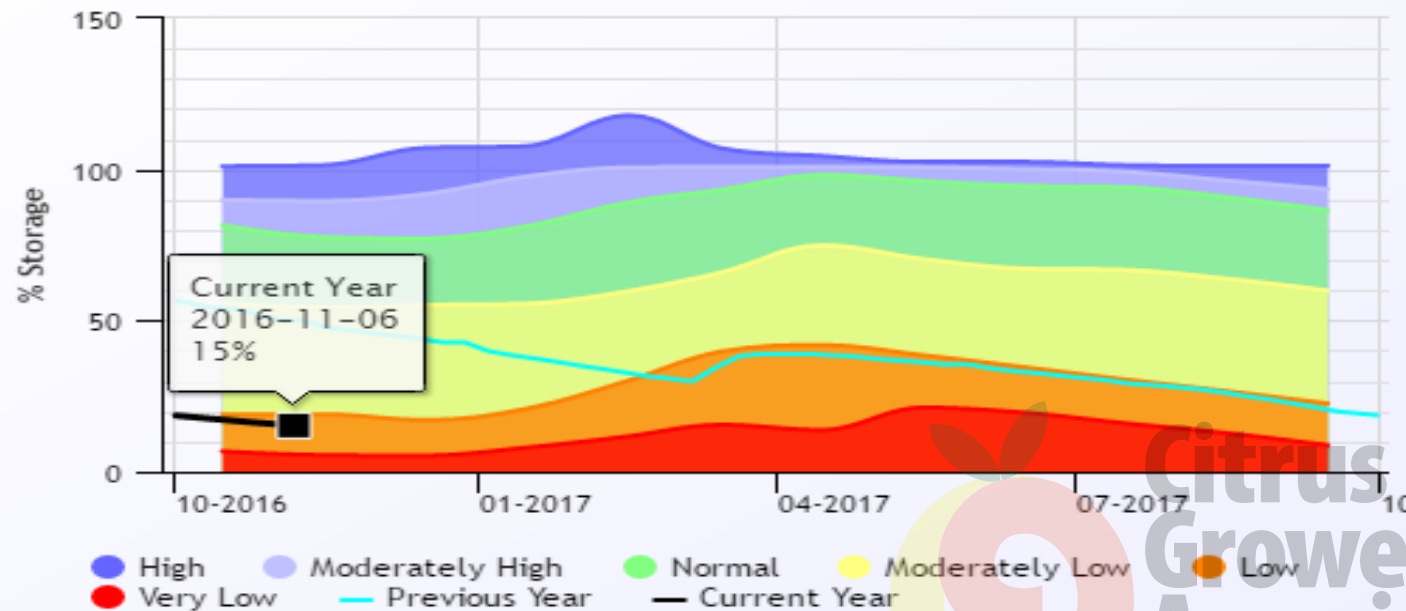
Status: Low

> 10th Percentile

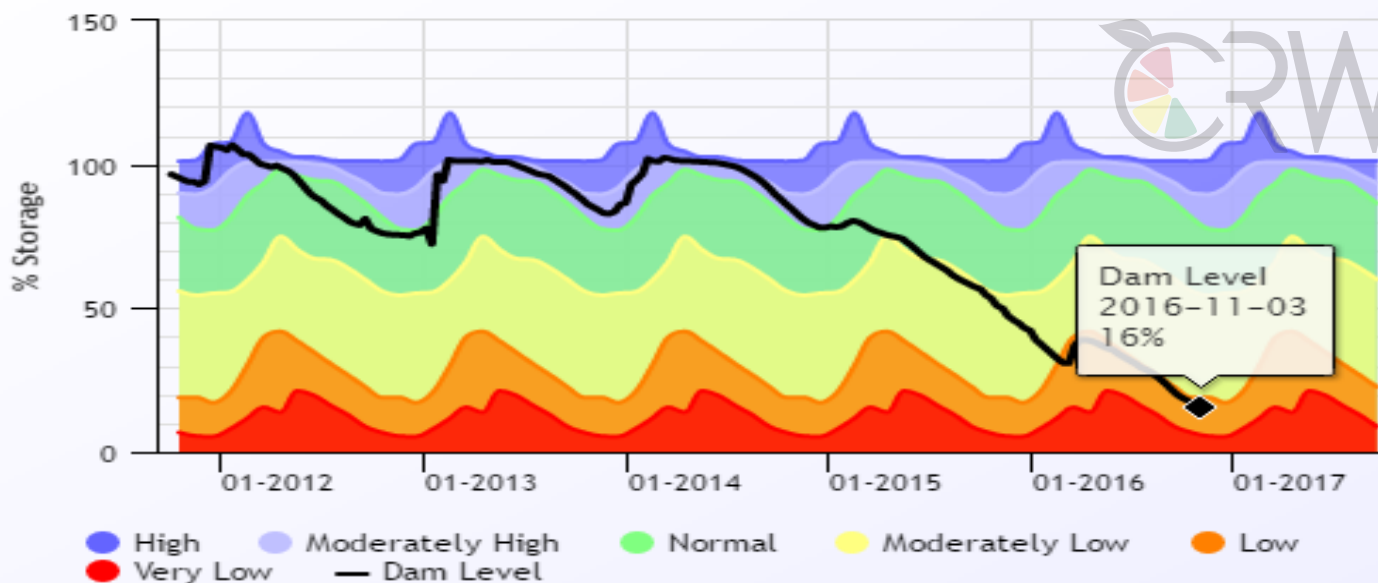
<= 25th Percentile (for this time of the year)

Sedimentation: 15%

Surface Water Storage (Tzaneen Dam)



Surface Water Storage (Tzaneen Dam)



CGA: Letsitele

Tzaneen Dam

% Full Supply Capacity: 15%

Full Supply Capacity: 156.53 Mm3

Water in Dam: 23.92 Mm3

Status: Low

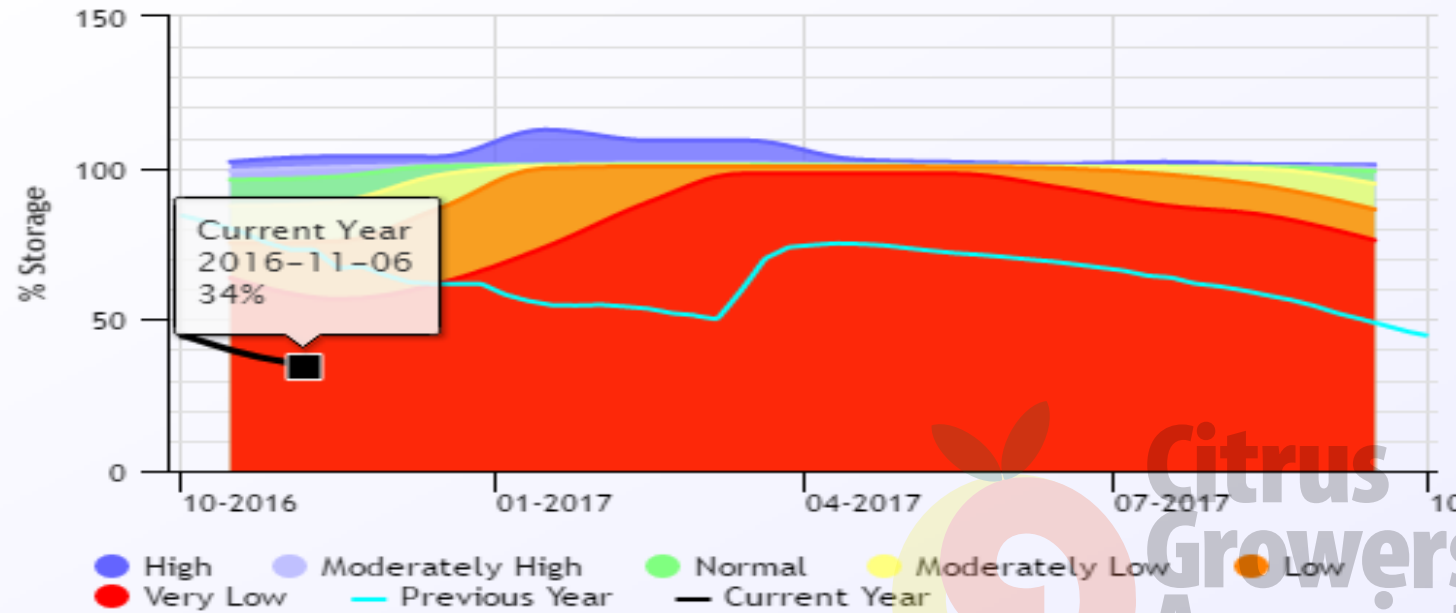
> 10th Percentile

<= 25th Percentile (for this time of the year)

Sedimentation: 1%

CGA: Hoedspruit

Surface Water Storage (Blyderivierpoort Dam)



Blyderivierpoort Dam

% Full Supply Capacity: 34%

Full Supply Capacity: 54.37 Mm³

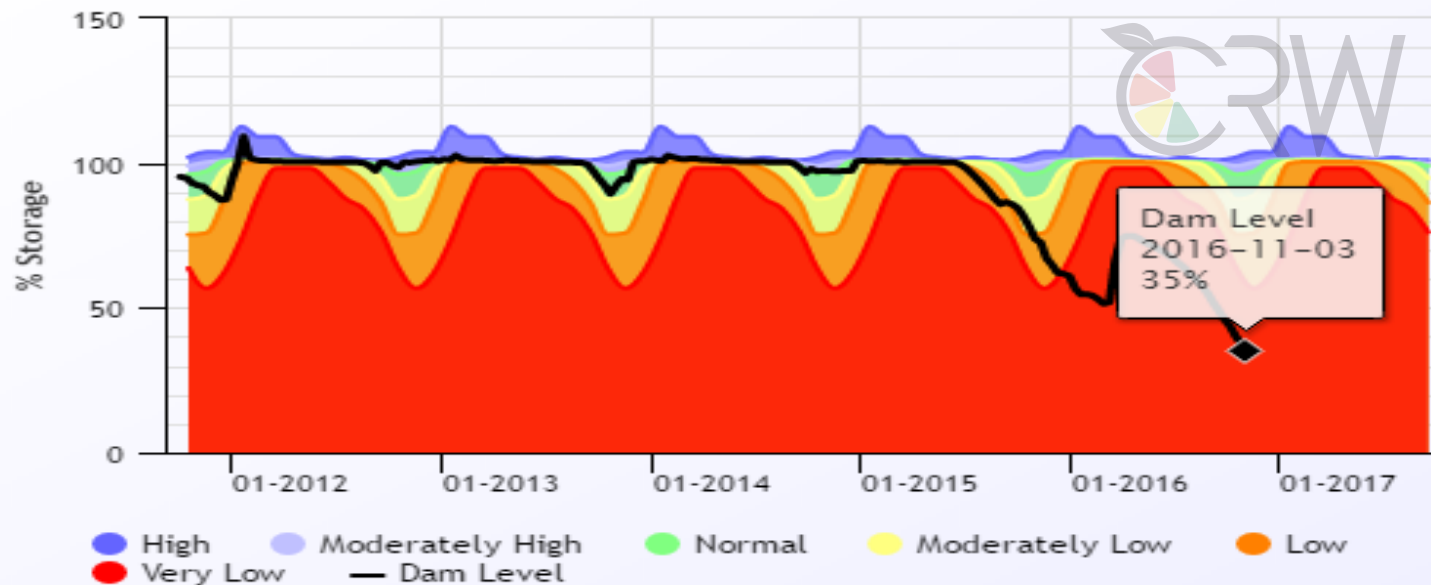
Water in Dam: 18.65 Mm³

Status: Very Low

≤ 10th Percentile (for this time of the year)

Sedimentation: 2%

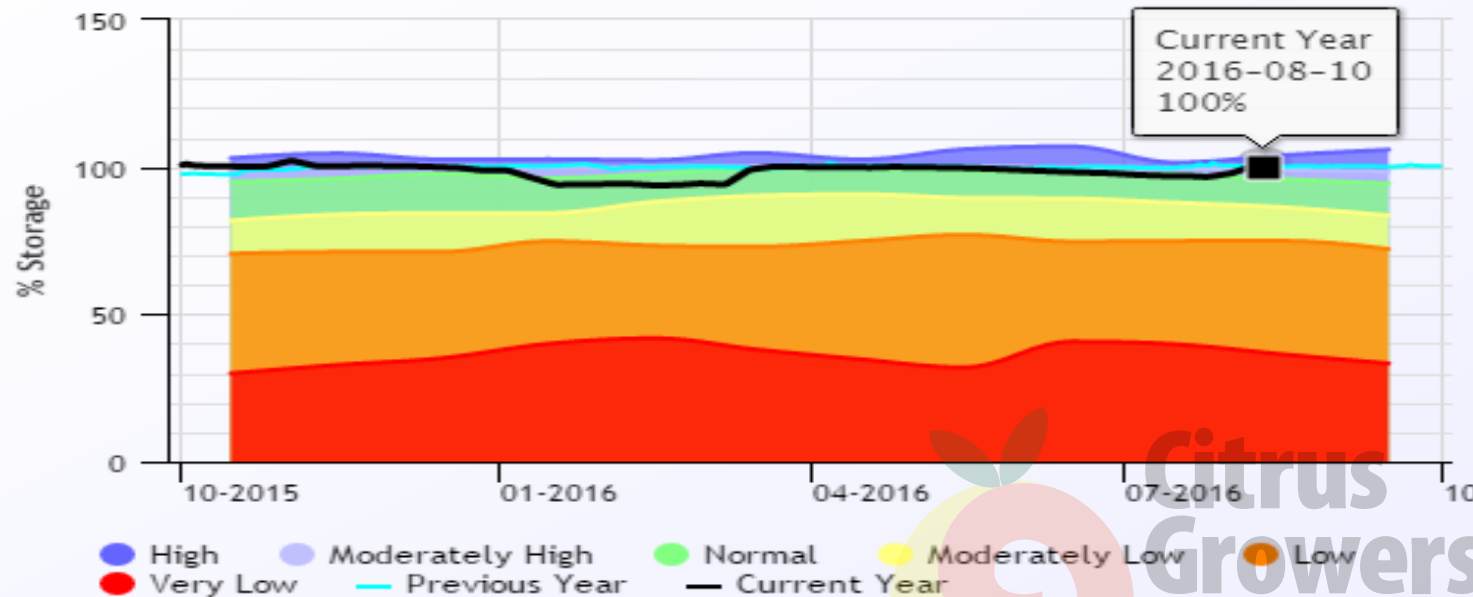
Surface Water Storage (Blyderivierpoort Dam)



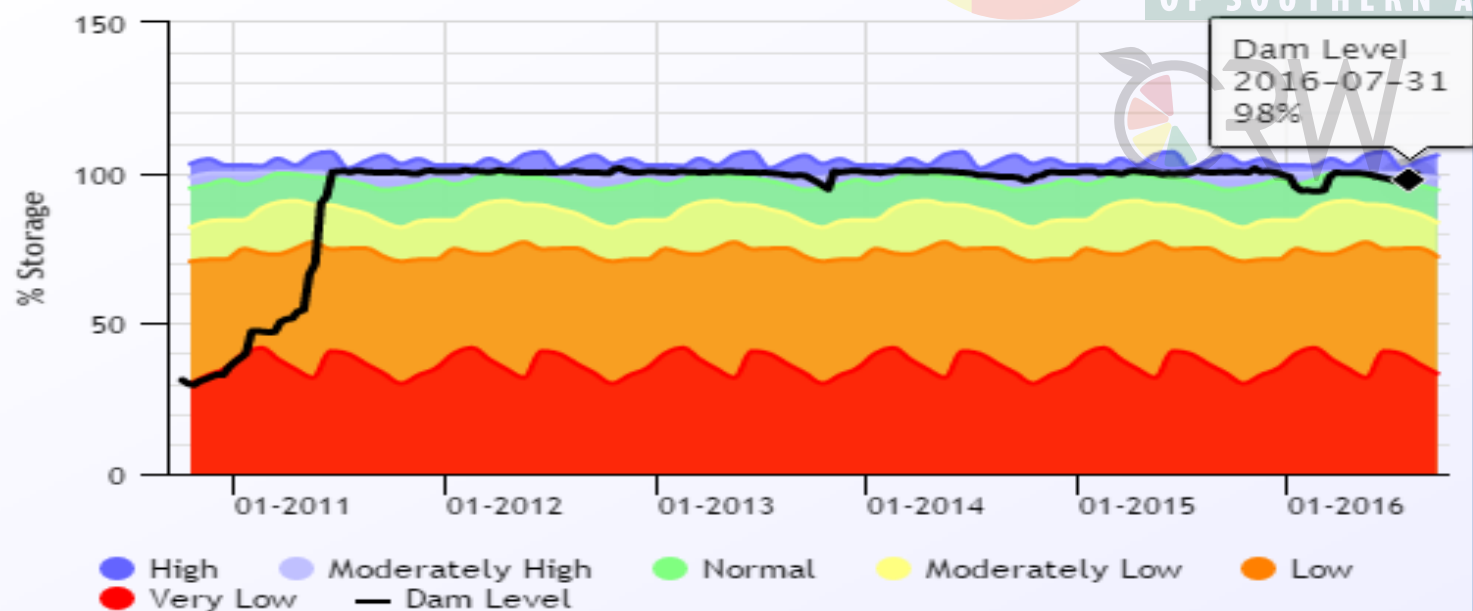
Apara
Mashelabeng
Tshirelang

Ga-Boelang

Surface Water Storage (Katrivier Dam)



Surface Water Storage (Katrivier Dam)



CGA: Hoedspruit

Flag Boshielo Dam

% Full Supply Capacity: 17%

Full Supply Capacity: 185.13 Mm3

Water in Dam: 30.95 Mm3

Status: Very Low

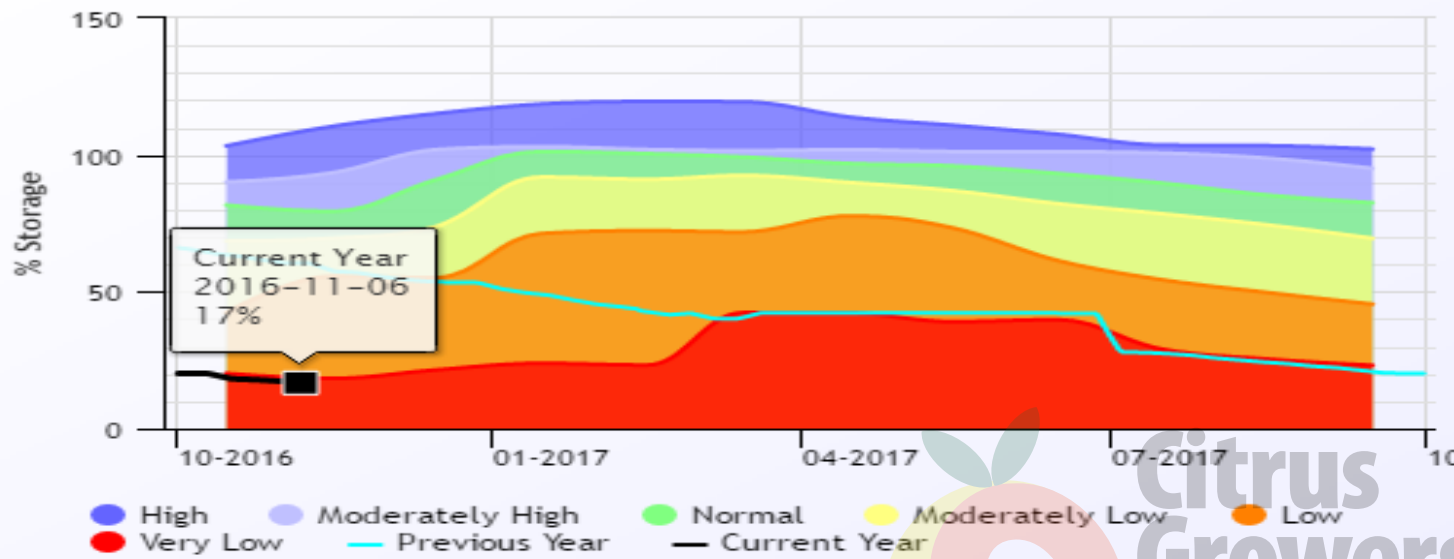
<= 10th Percentile (for this time of the year)

Sedimentation: 0%

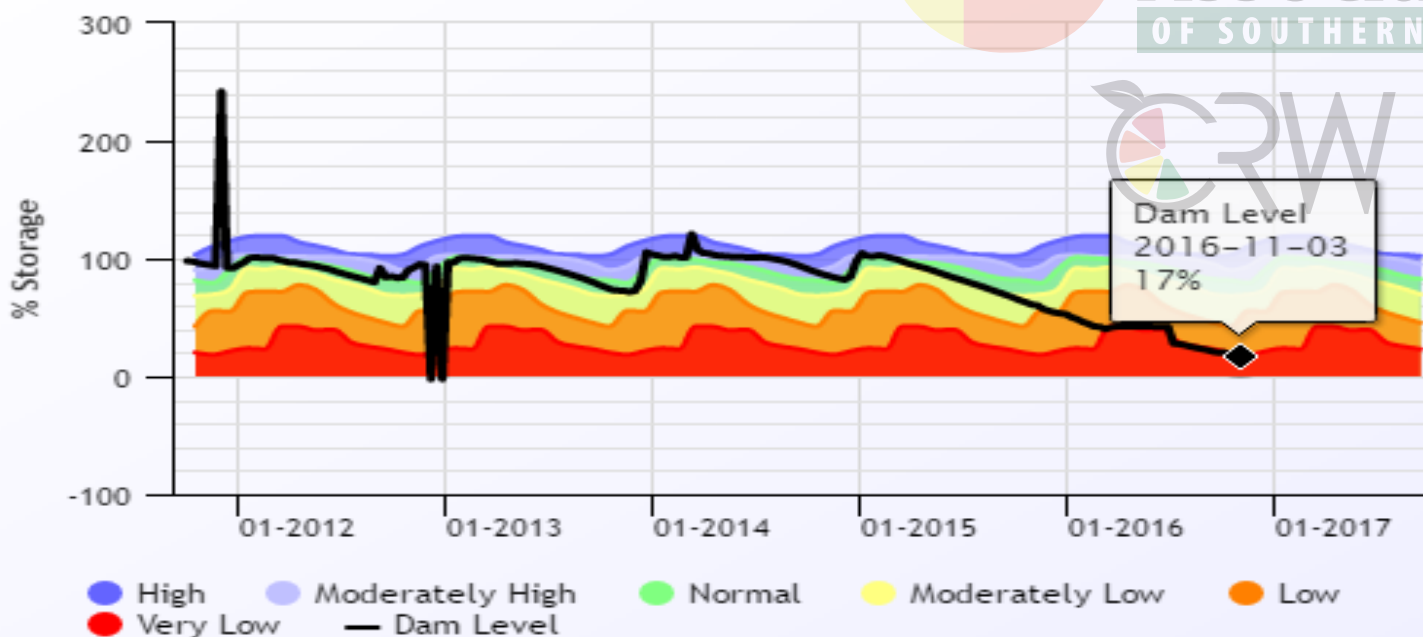


CGA: Hoedspruit

Surface Water Storage (Flag Boshielo Dam)



Surface Water Storage (Flag Boshielo Dam)



Flag Boshielo Dam

% Full Supply Capacity: 17%

Full Supply Capacity: 185.13 Mm3

Water in Dam: 30.95 Mm3

Status: Very Low

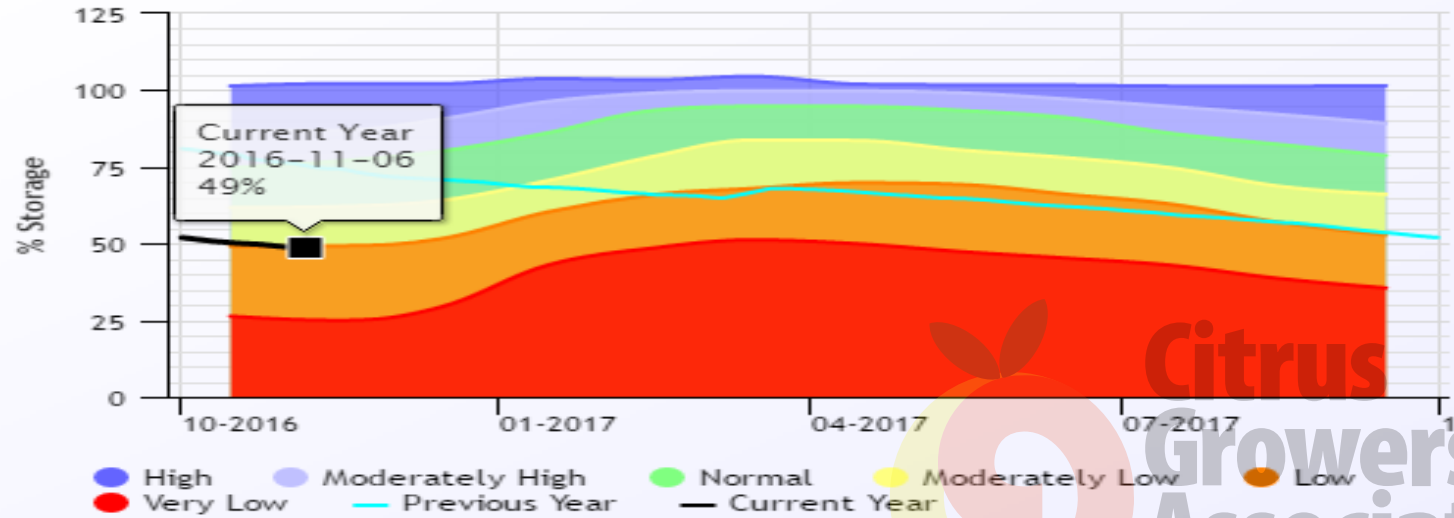
<= 10th Percentile (for this time of the year)

Sedimentation: 0%

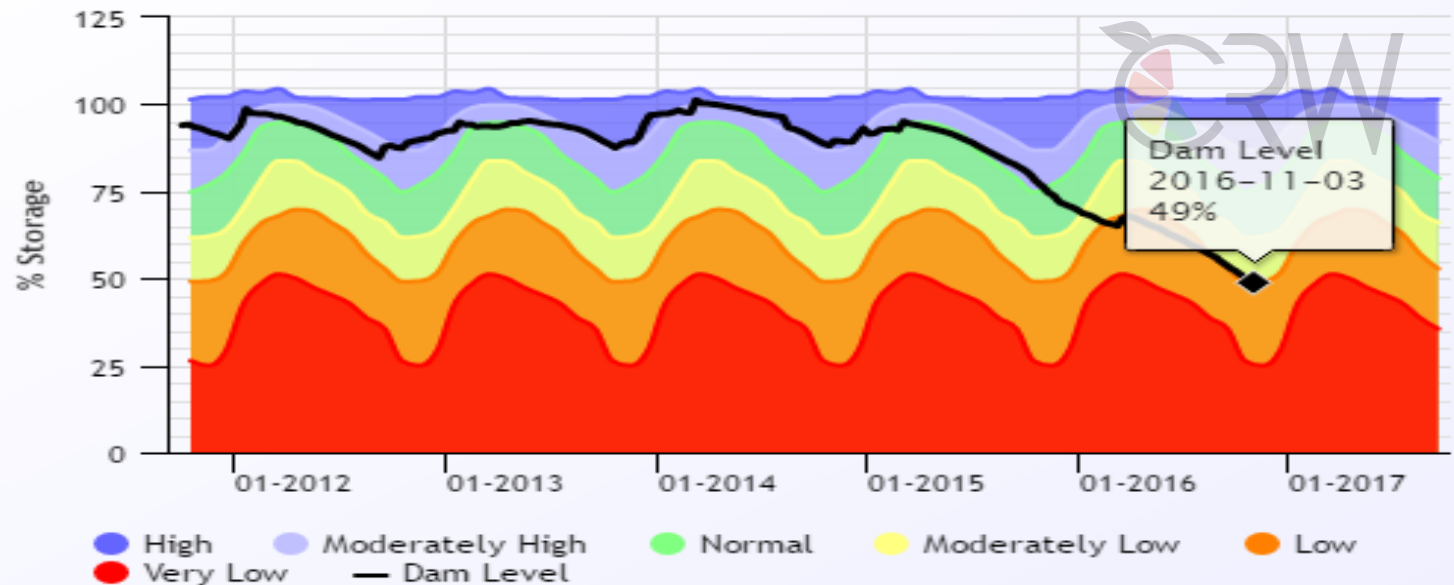
Mogalatsana

Mpumalanga Province

Surface Water Storage (Inkomati Usuthu)



Surface Water Storage (Inkomati Usuthu)



Reservoir	Date	FSC (Mm3)	Water in Dam (Mm3)	% FSC
Inkomati Usuthu (14 Dams)				
Kwena Dam	2016-11-06	158.9	30.9	19%

Inkomati Usuthu

% Full Supply Capacity: 49%

Total Full Supply Capacity: 1398.05 Mm3

Water in Dams: 679.83 Mm3

Status: Low

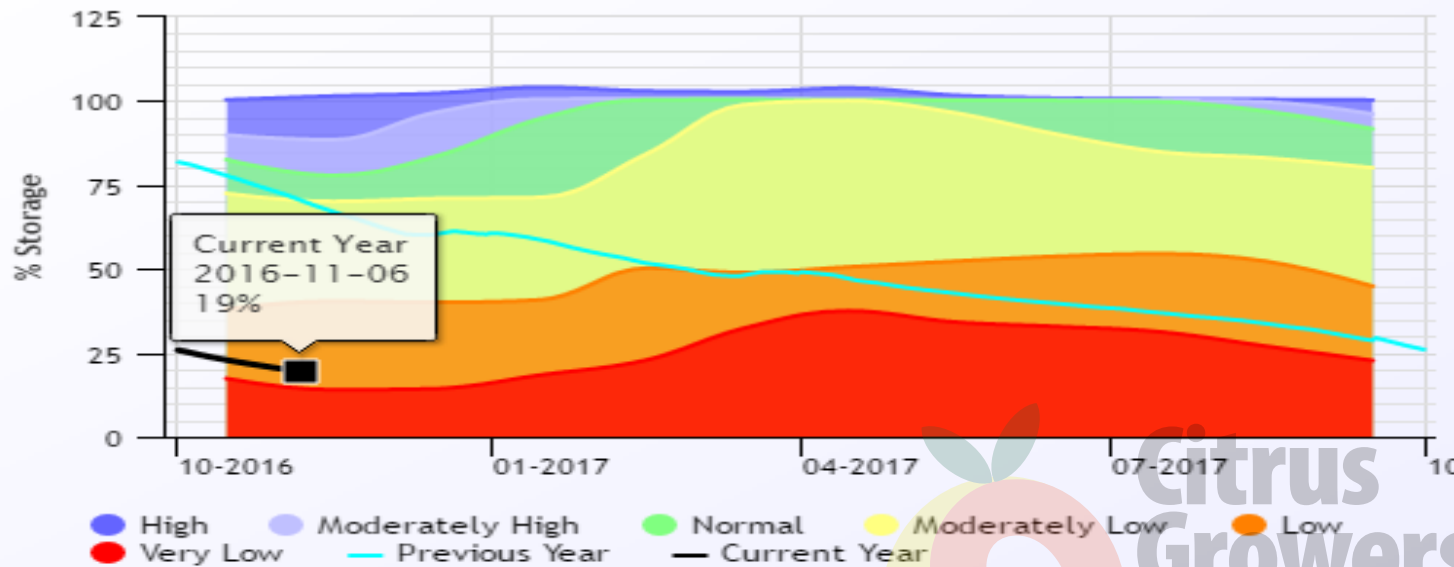
> 10th Percentile

<= 25th Percentile (for this time of the year)

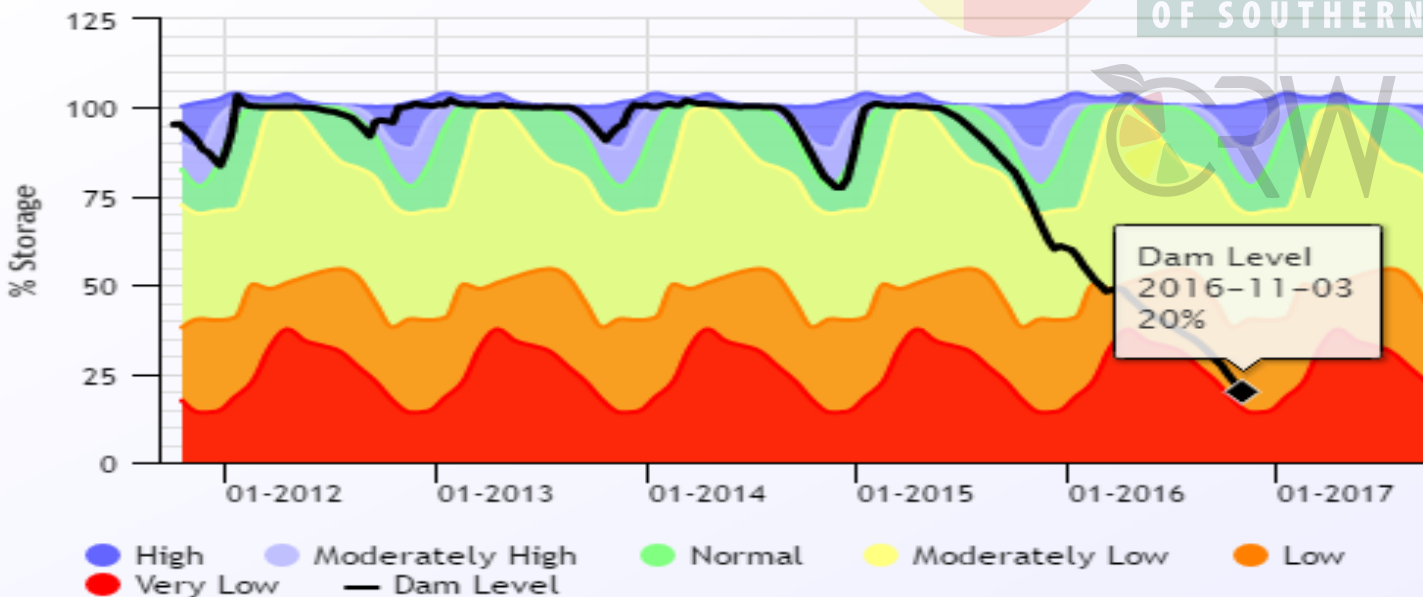
Inkomati Usuthu

CGA: Nelspruit

Surface Water Storage (Kwena Dam)



Surface Water Storage (Kwena Dam)



Kwena Dam

% Full Supply Capacity: 19%

Full Supply Capacity: 158.89 Mm³

Water in Dam: 30.88 Mm³

Status: Low

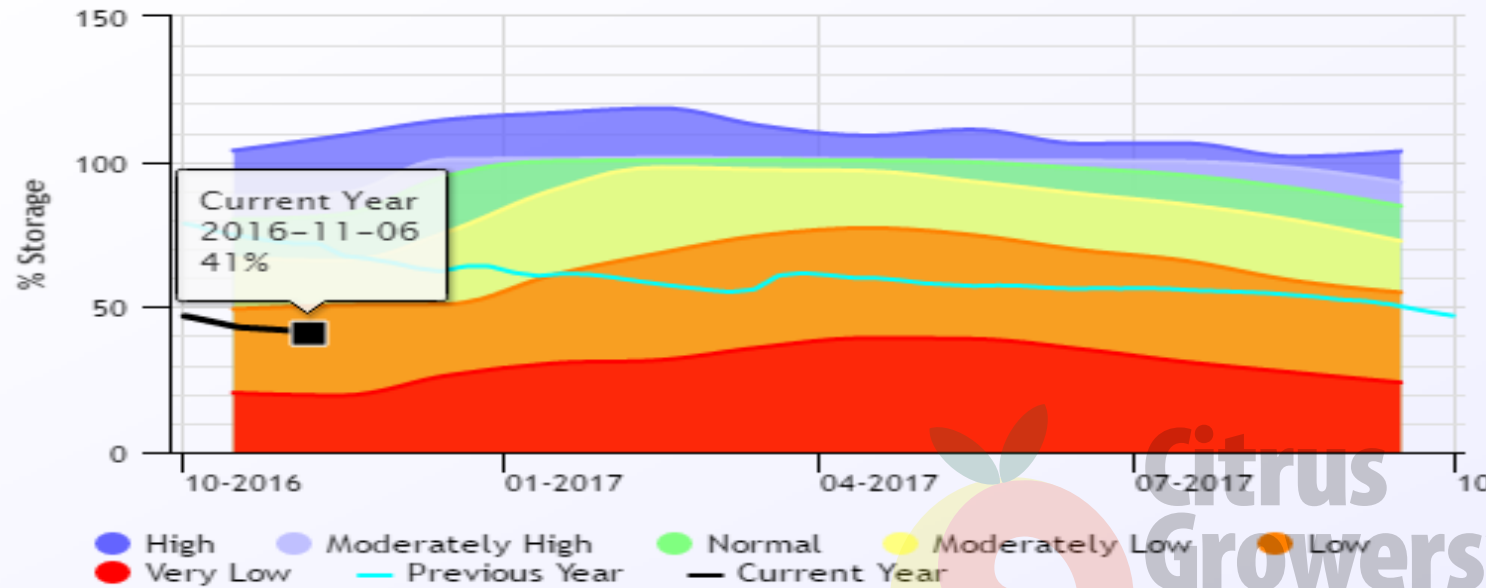
> 10th Percentile

≤ 25th Percentile (for this time of the year)

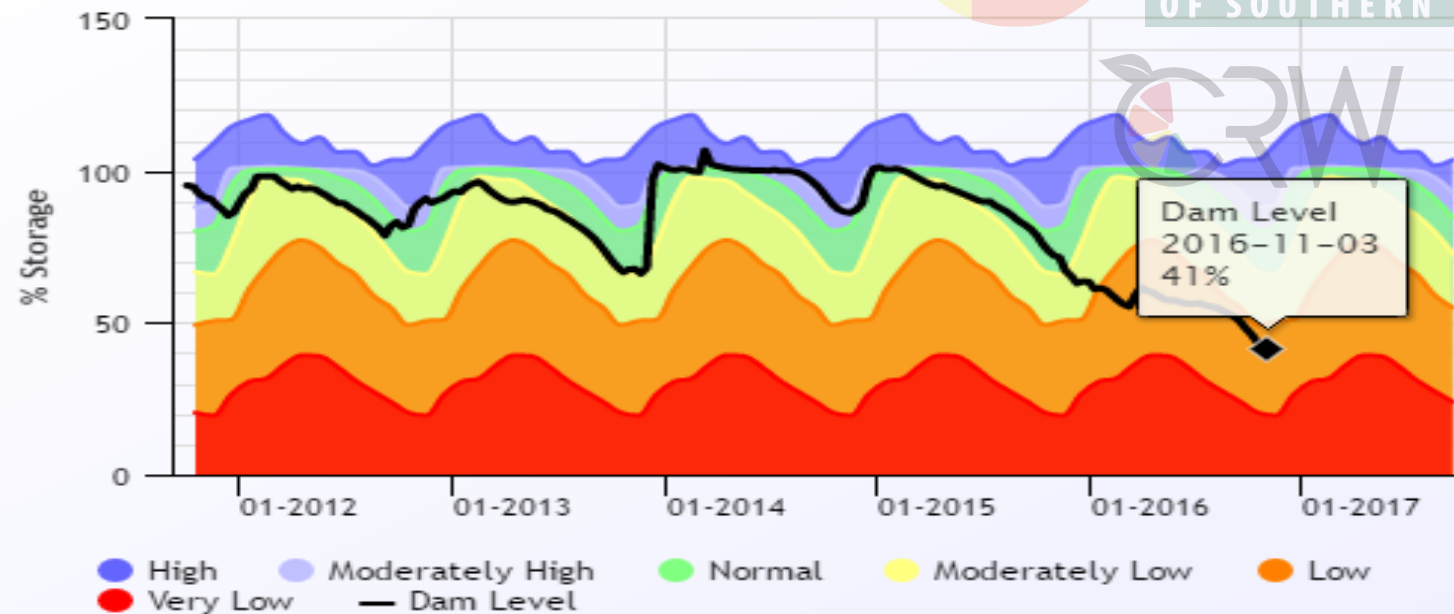
Sedimentation: 3%

CGA: Senwes

Surface Water Storage (Loskop Dam)



Surface Water Storage (Loskop Dam)



Loskop Dam

% Full Supply Capacity: 41%

Full Supply Capacity: 361.51 Mm³

Water in Dam: 147.82 Mm³

Status: Low

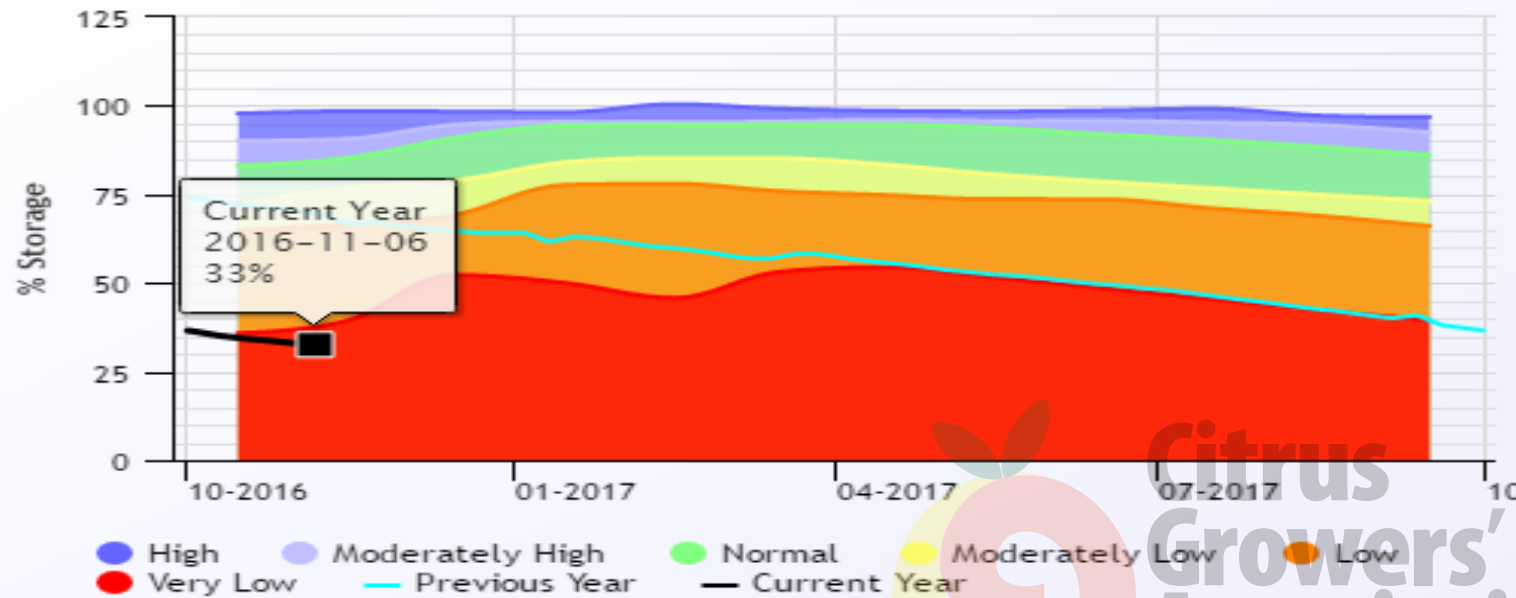
> 10th Percentile

<= 25th Percentile (for this time of the year)

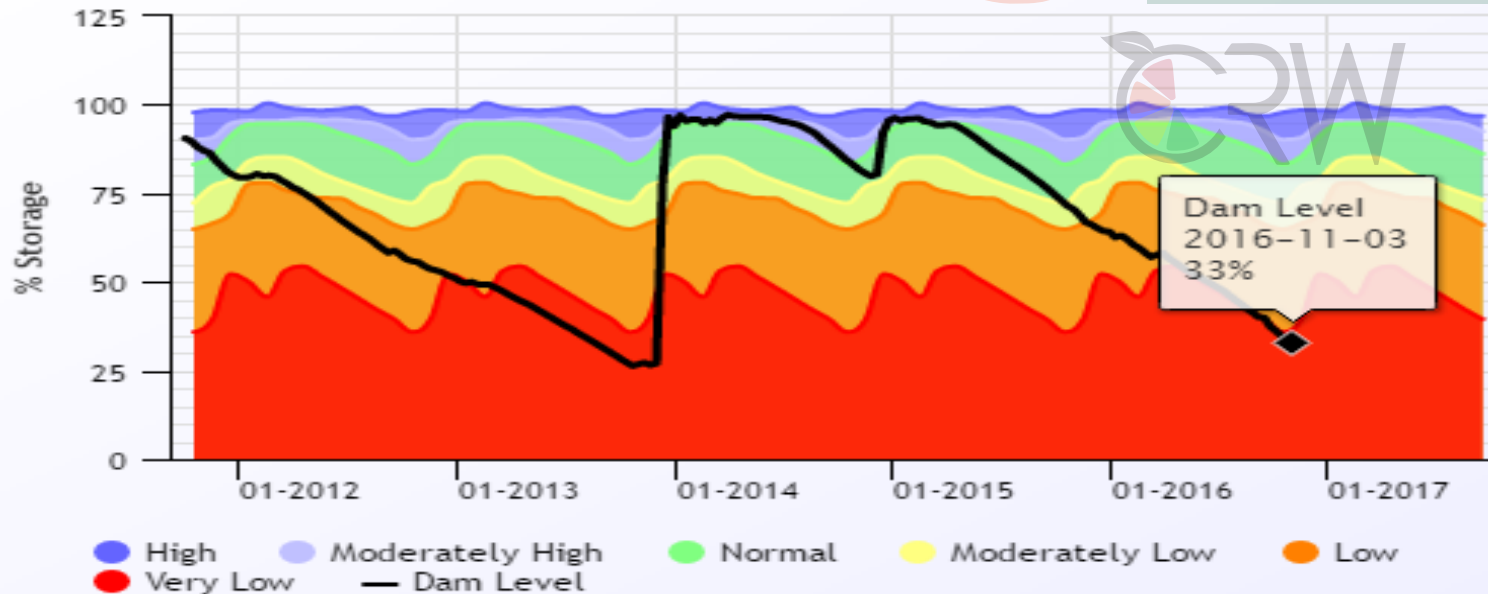
Sedimentation: 3%



Surface Water Storage (Middelburg Dam)



Surface Water Storage (Middelburg Dam)



CGA: Senwes

Middelburg Dam

% Full Supply Capacity: 33%

Full Supply Capacity: 48.06 Mm³

Water in Dam: 15.65 Mm³

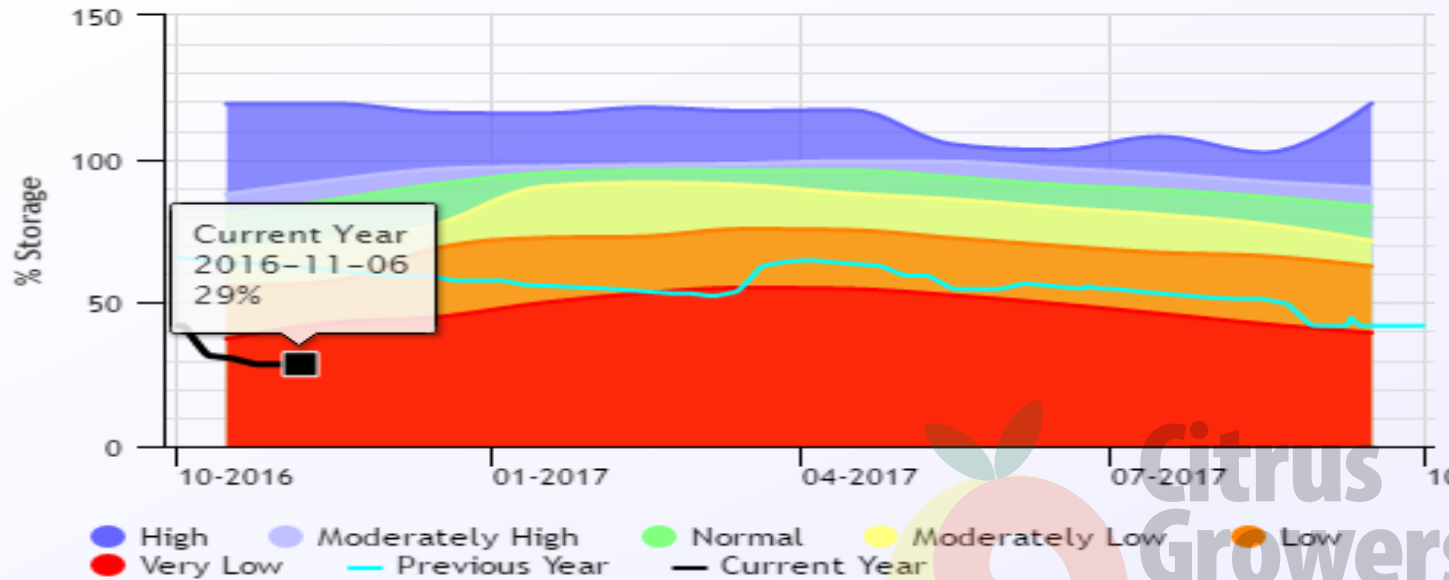
Status: Very Low

≤ 10th Percentile (for this time of the year)

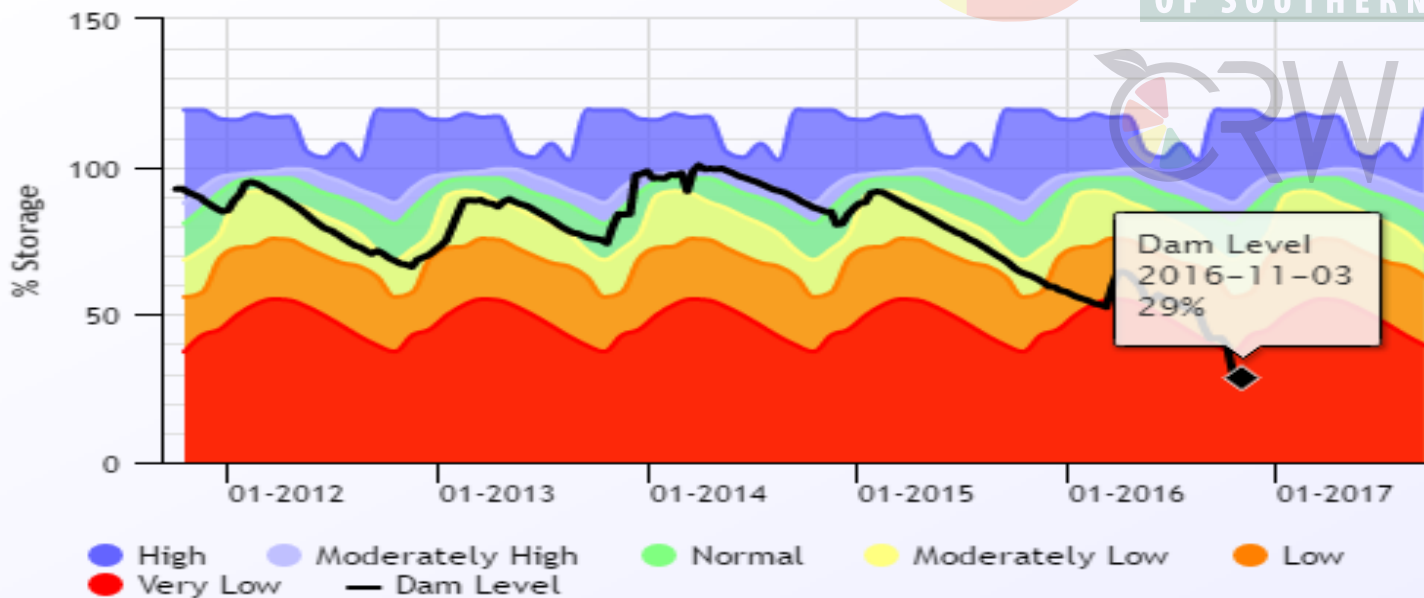
Sedimentation: 0%

CGA: Senwes

Surface Water Storage (Witbank Dam)



Surface Water Storage (Witbank Dam)



Witbank Dam

% Full Supply Capacity: 29%

Full Supply Capacity: 104.02 Mm3

Water in Dam: 29.68 Mm3

Status: Very Low

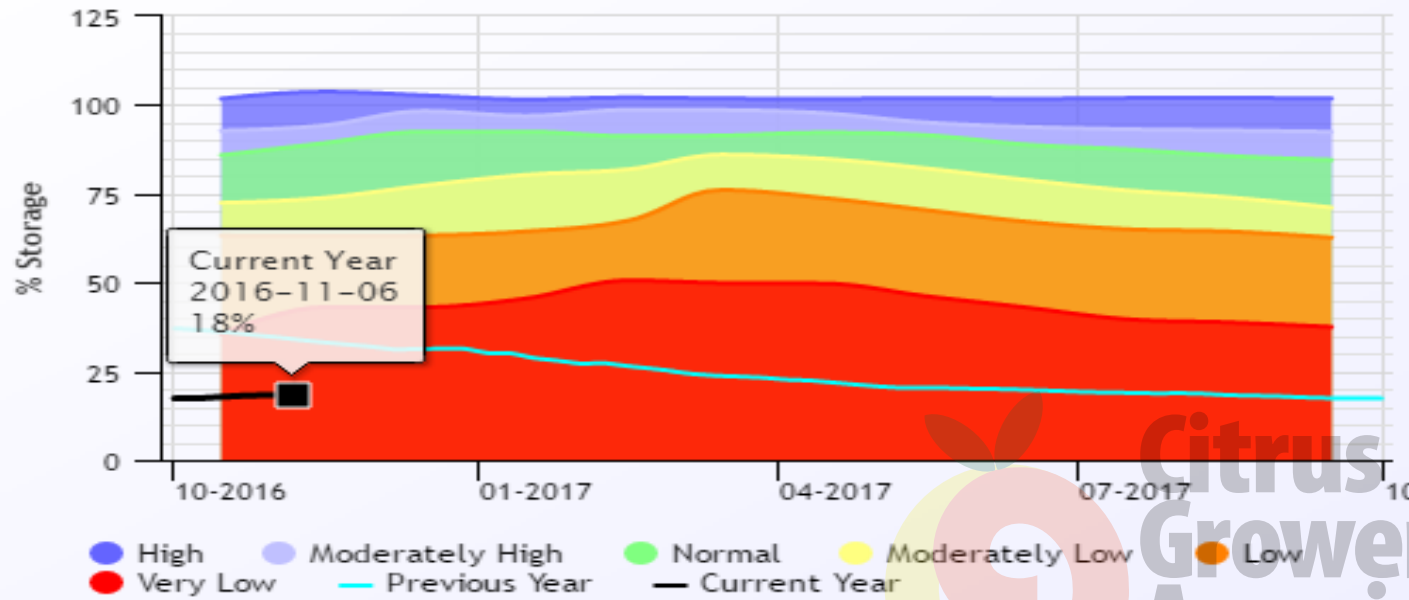
<= 10th Percentile (for this time of the year)

Sedimentation: 1%

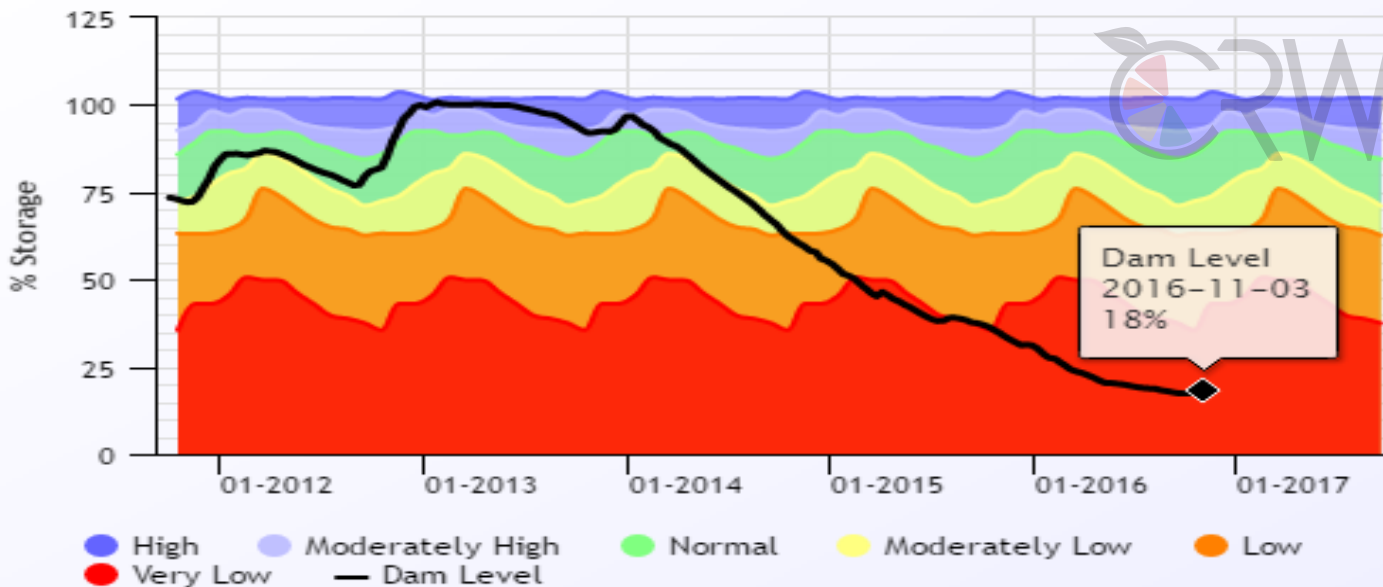
Emalahleni

CGA: Nkwalini

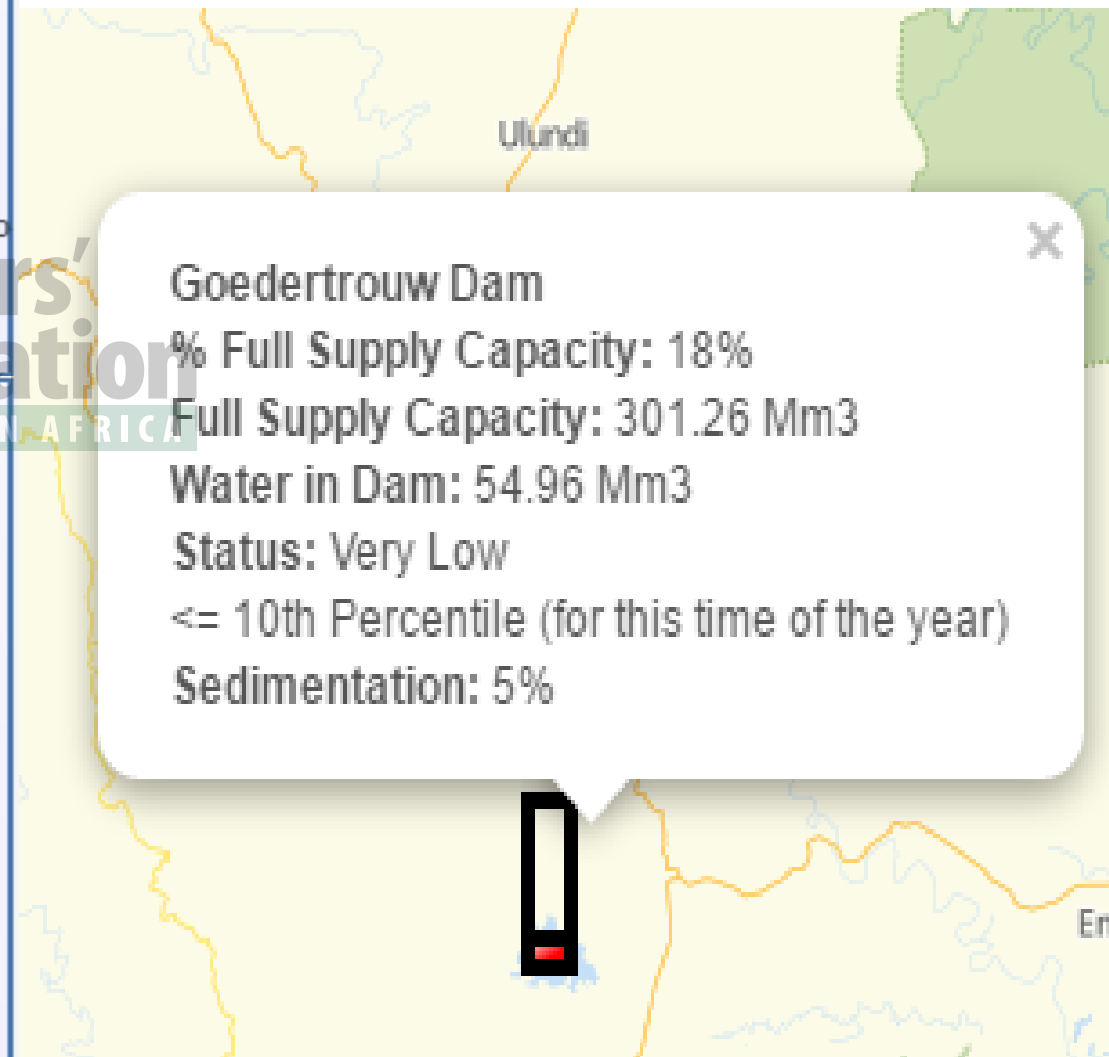
Surface Water Storage (Goedertrouw Dam)



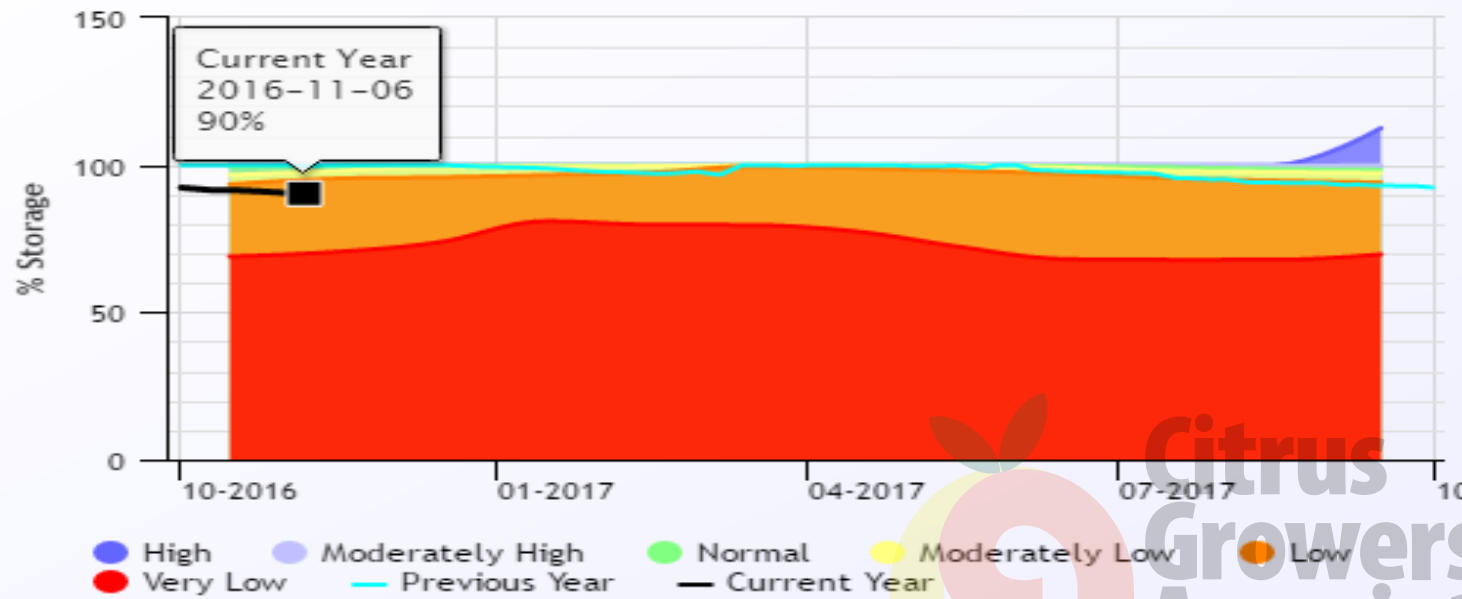
Surface Water Storage (Goedertrouw Dam)



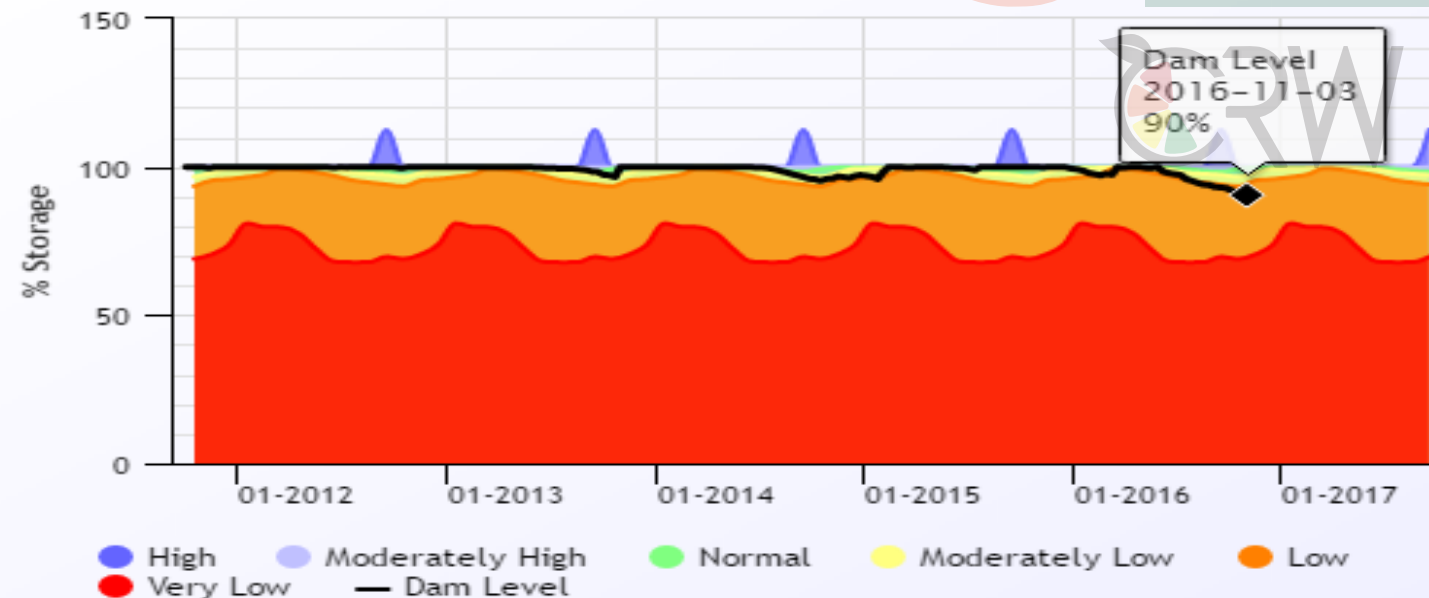
Reservoir	Date	FSC (Mm3)	Water in Dam (Mm3)	% FSC
Goedertrouw Dam	2016-11-06	301.3	55.0	18%



Surface Water Storage (Binfield Dam)



Surface Water Storage (Binfield Dam)



CGA: E.Cape Midlands

Eastern Cape

Binfield Dam

% Full Supply Capacity: 90%

Full Supply Capacity: 36.85 Mm3

Water in Dam: 33.29 Mm3

Status: Low

> 10th Percentile

<= 25th Percentile (for this time of the year)

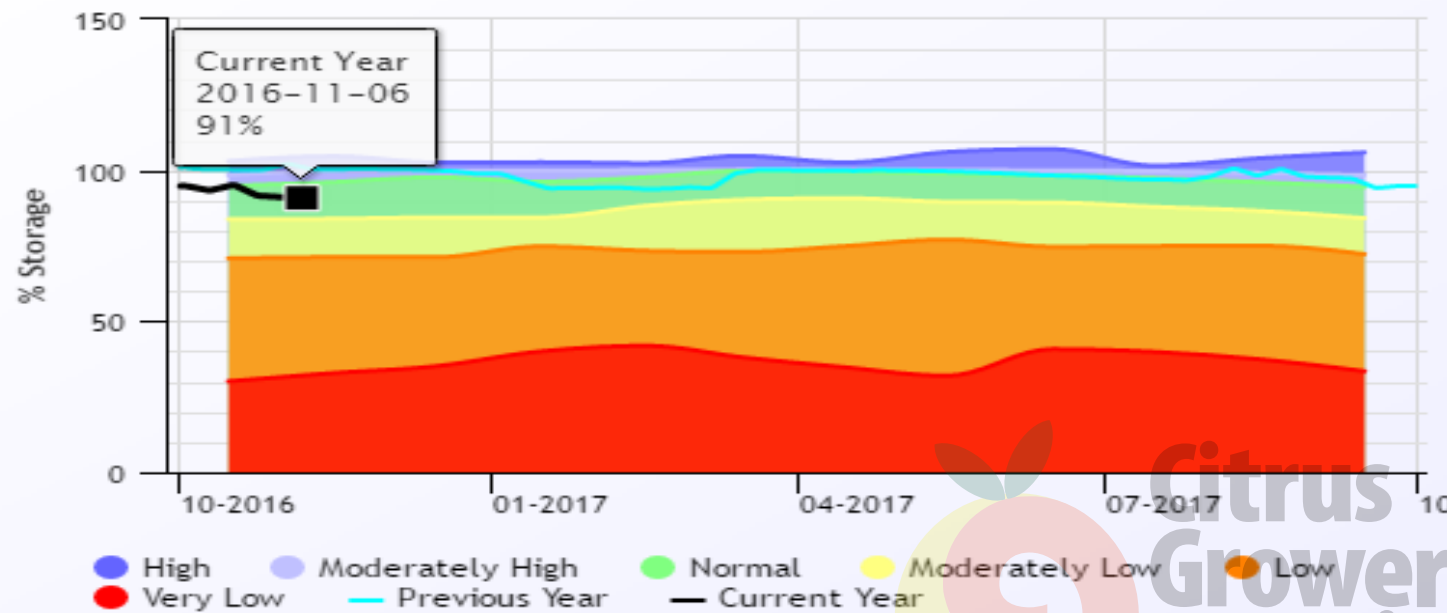
Sedimentation: 0%

Zindenge

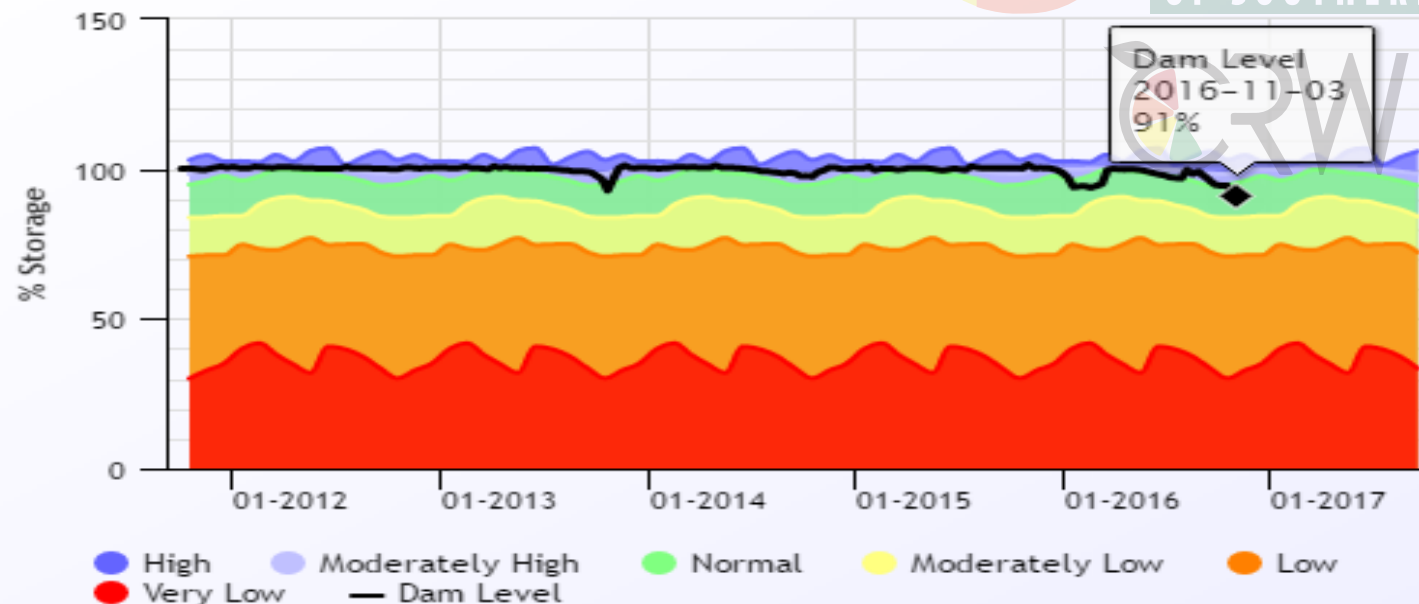
Fort Beaufort

Allie

Surface Water Storage (Katrivier Dam)



Surface Water Storage (Katrivier Dam)



CGA: E.Cape Midlands

Katrivier Dam

% Full Supply Capacity: 91%

Full Supply Capacity: 24.68 Mm³

Water in Dam: 22.41 Mm³

Status: Normal

> 40th Percentile

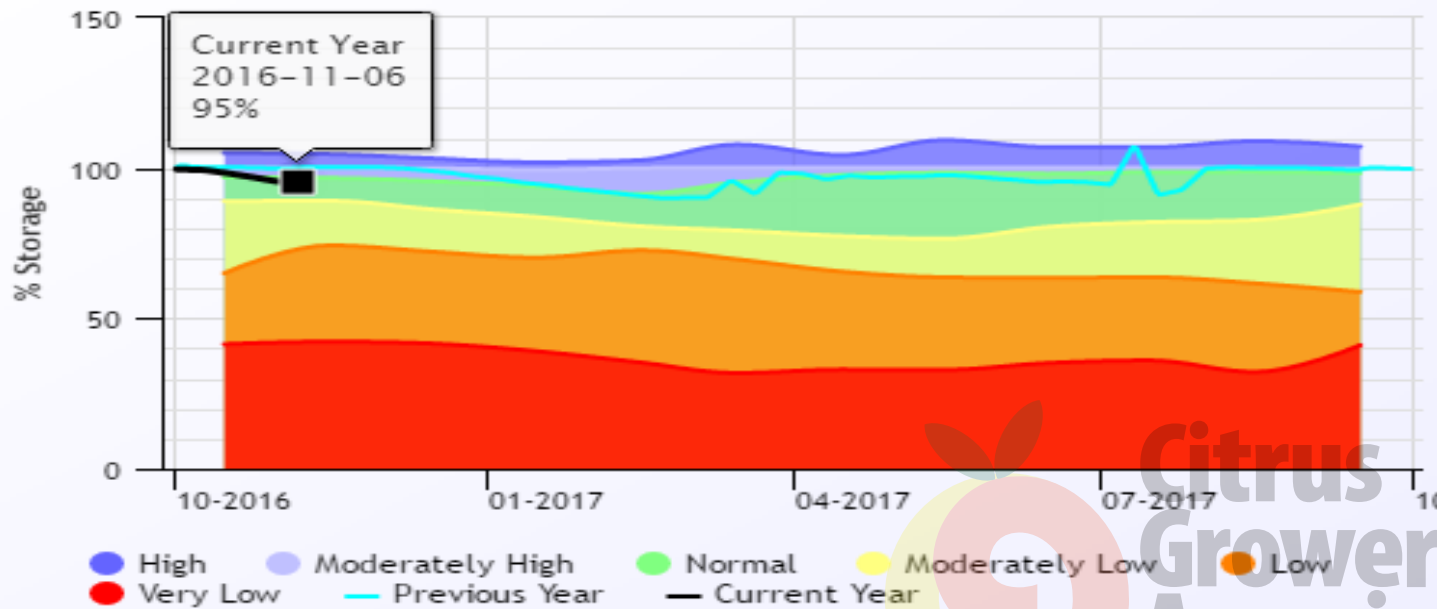
<= 60th Percentile (for this time of the year)

Sedimentation: 8%

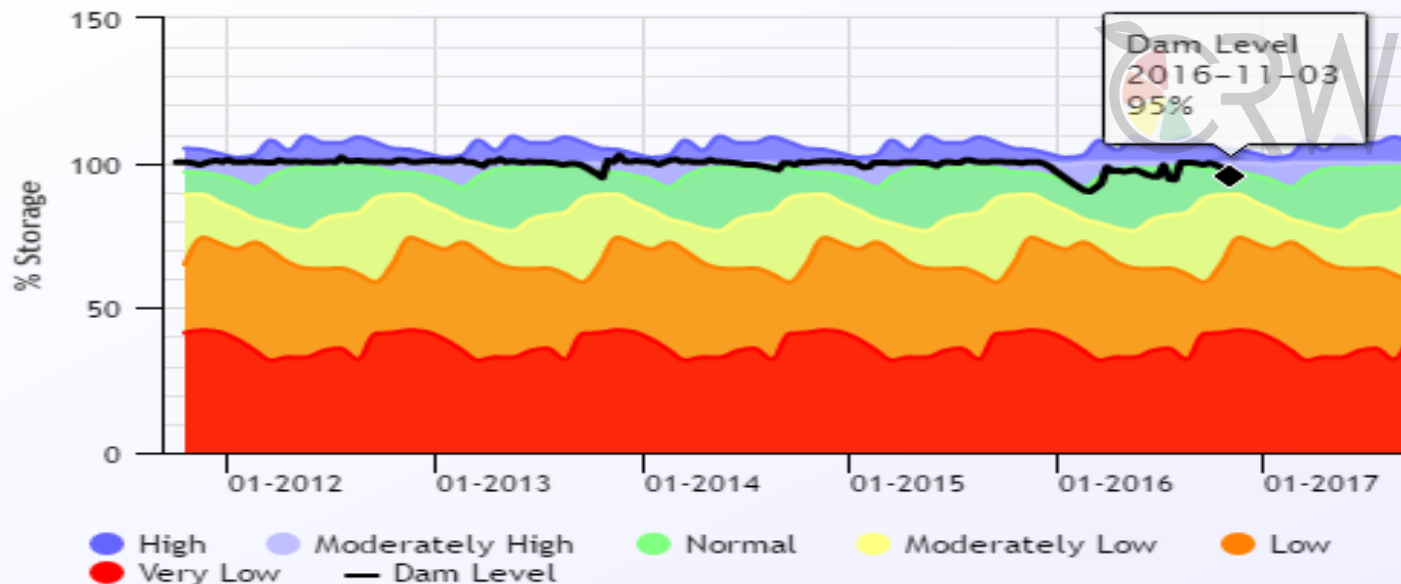
eKuphumle

CGA: E.Cape Midlands

Surface Water Storage (Waterdown Dam)



Surface Water Storage (Waterdown Dam)



Waterdown Dam

% Full Supply Capacity: 95%

Full Supply Capacity: 37.44 Mm³

Water in Dam: 35.73 Mm³

Status: Normal

> 40th Percentile

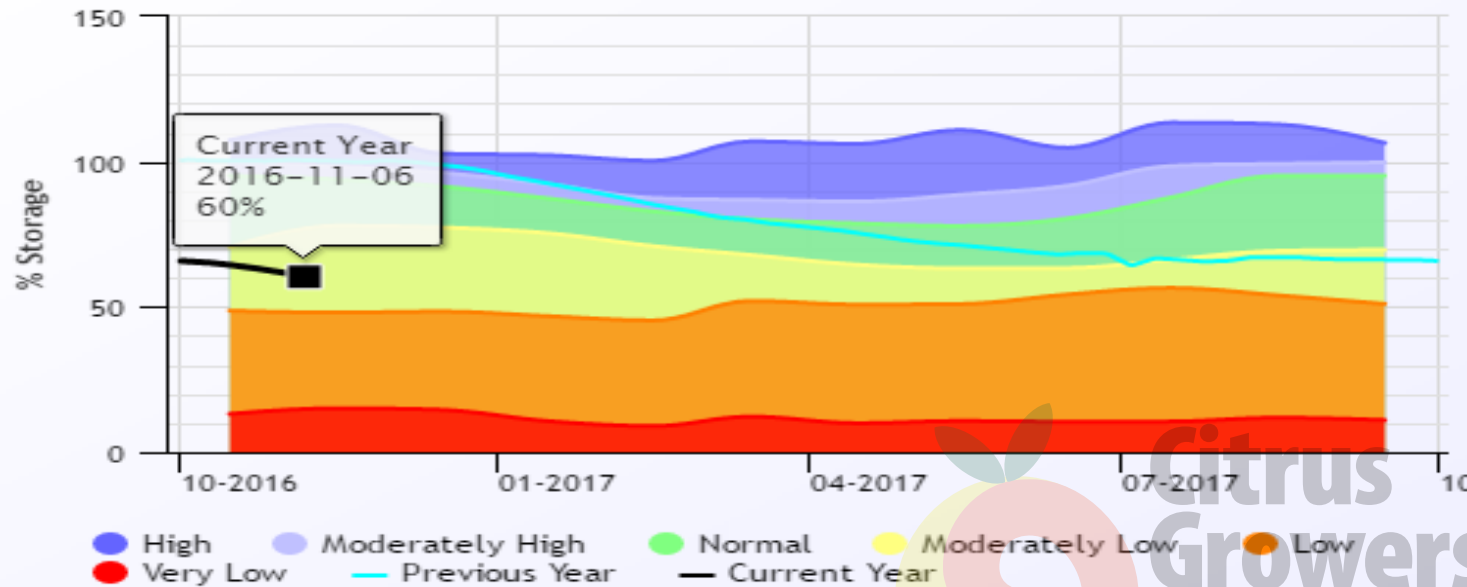
<= 60th Percentile (for this time of the year)

Sedimentation: 0%

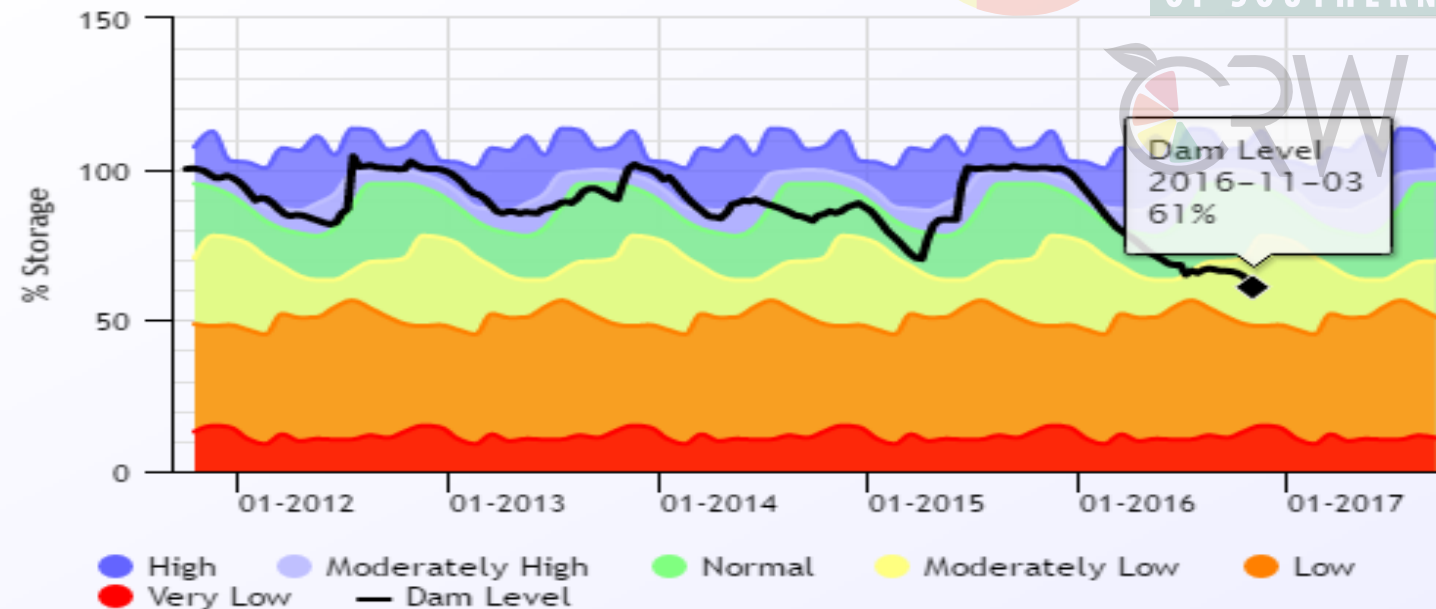
Eastern Cape

CGA: Patensie

Surface Water Storage (Kouga Dam)



Surface Water Storage (Kouga Dam)



Kouga Dam

% Full Supply Capacity: 60%

Full Supply Capacity: 125.91 Mm3

Water in Dam: 75.97 Mm3

Status: Moderately Low

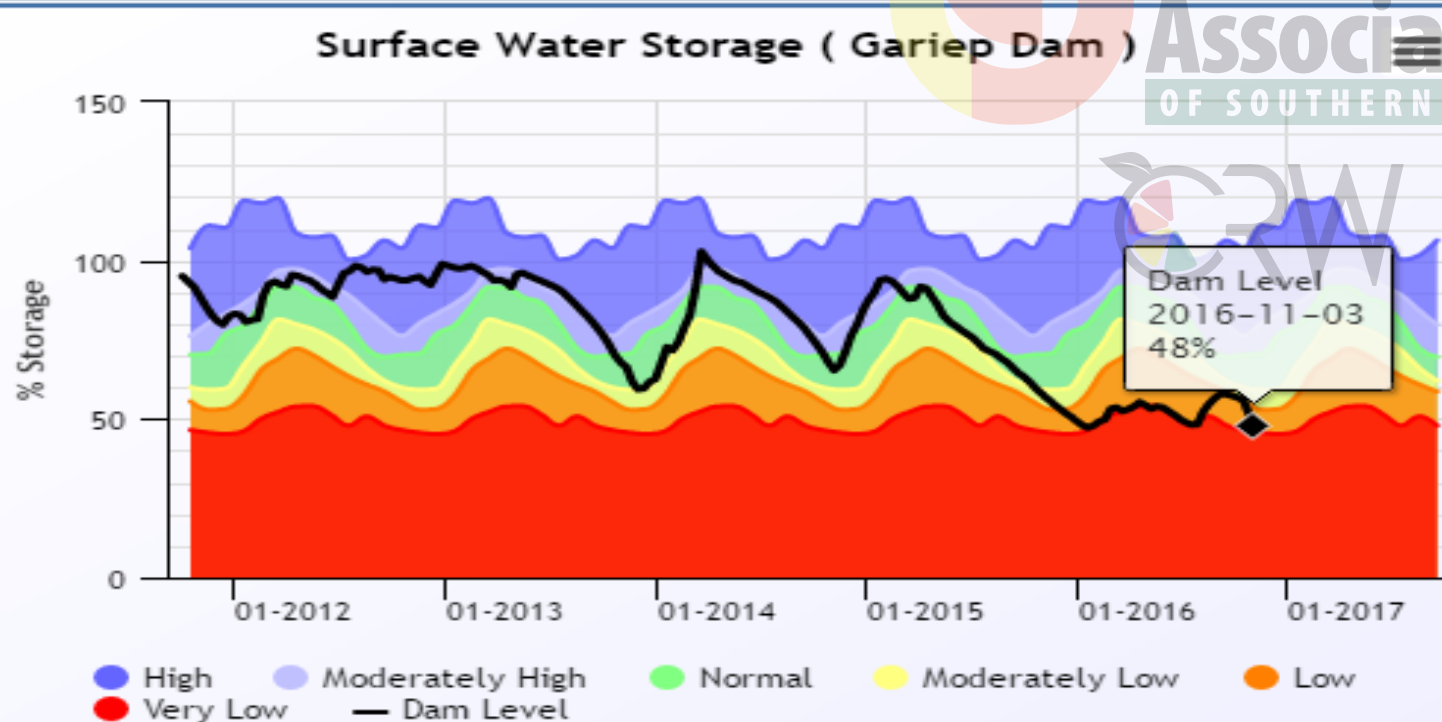
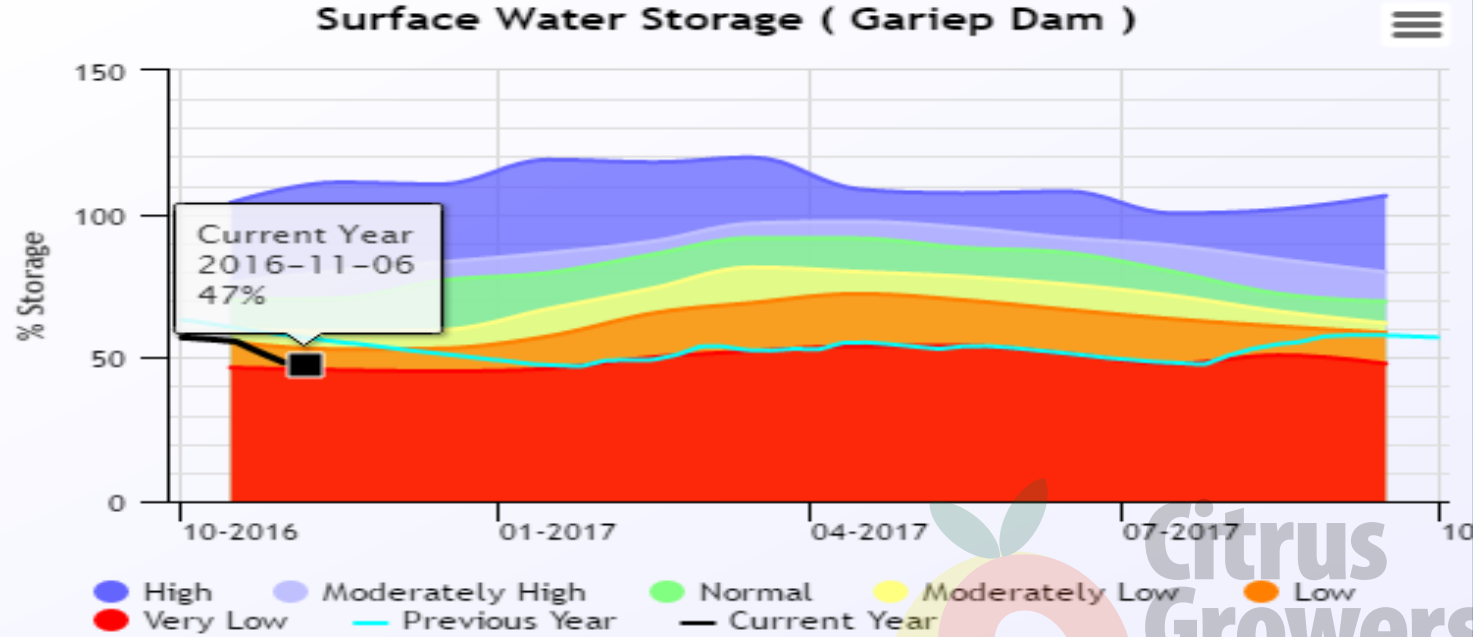
> 25th Percentile

<= 40th Percentile (for this time of the year)

Sedimentation: 3%

Noorshoek

CGA: Oranje Rivier



Gariep Dam

% Full Supply Capacity: 47%

Full Supply Capacity: 5196.04 Mm3

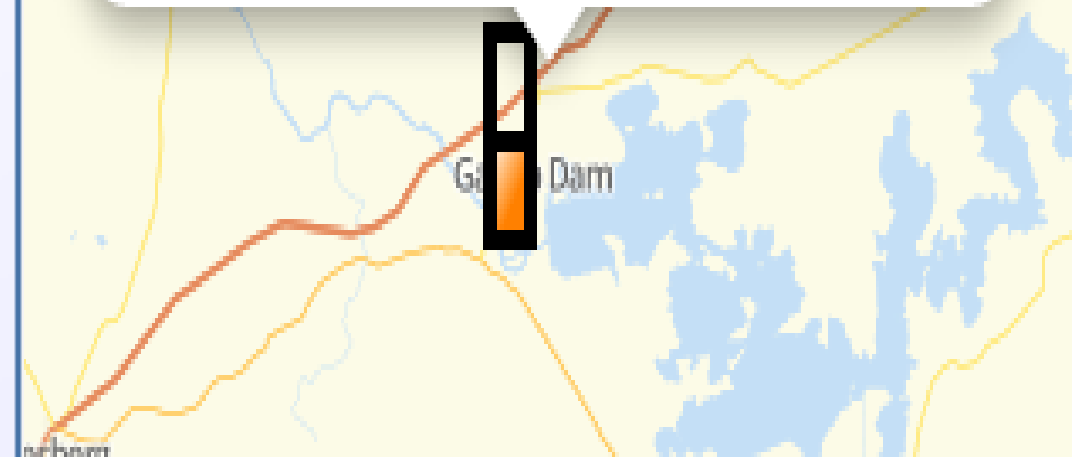
Water in Dam: 2465.49 Mm3

Status: Low

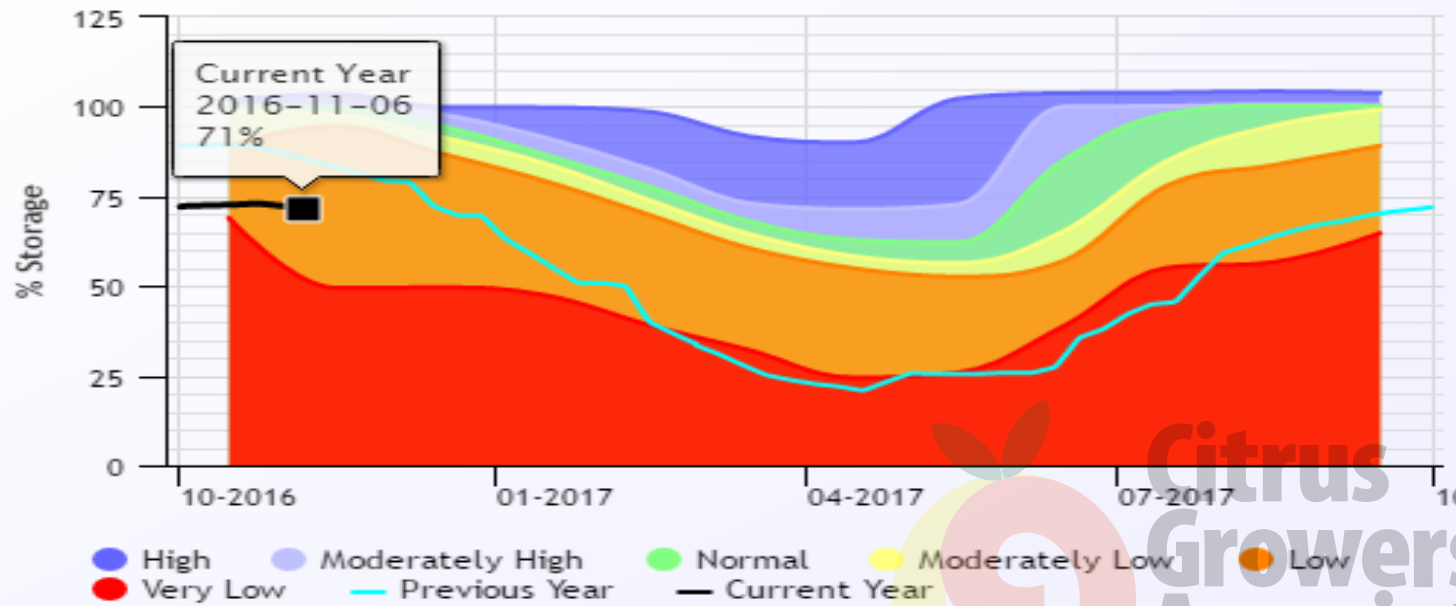
> 10th Percentile

<= 25th Percentile (for this time of the year)

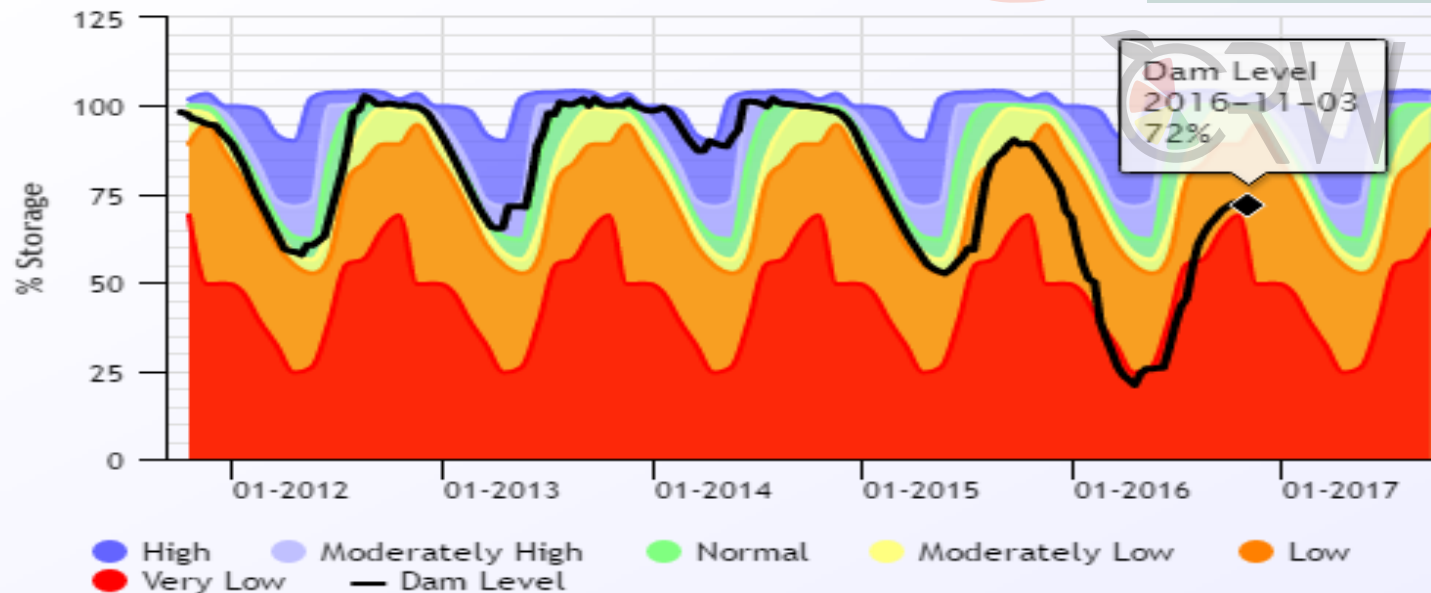
Sedimentation: 12%



Surface Water Storage (Berg River Dam)



Surface Water Storage (Berg River Dam)



CGA: Boland

Berg River Dam

% Full Supply Capacity: 71%

Full Supply Capacity: 127.05 Mm3

Water in Dam: 90.78 Mm3

Status: Low

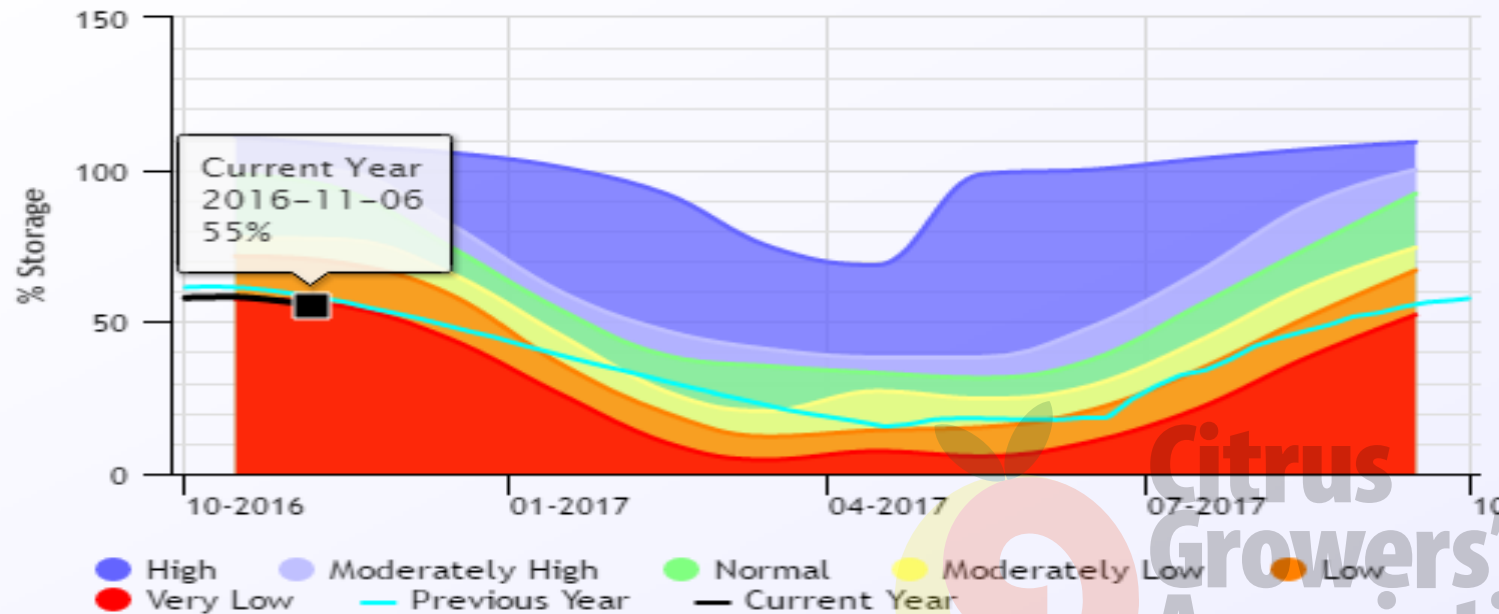
> 10th Percentile

<= 25th Percentile (for this time of the year)

Sedimentation: 0%

CGA: Boland

Surface Water Storage (Brandvlei Dam)



Brandvlei Dam

% Full Supply Capacity: 55%

Full Supply Capacity: 286.04 Mm3

Water in Dam: 157.95 Mm3

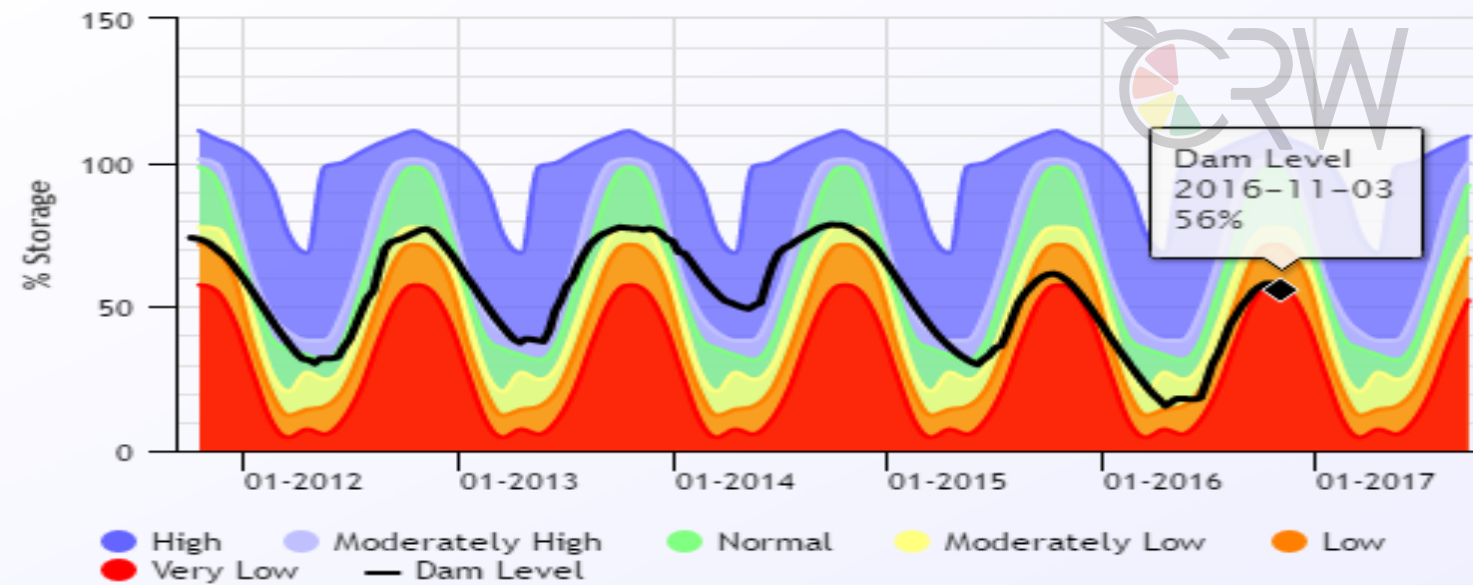
Status: Low

> 10th Percentile

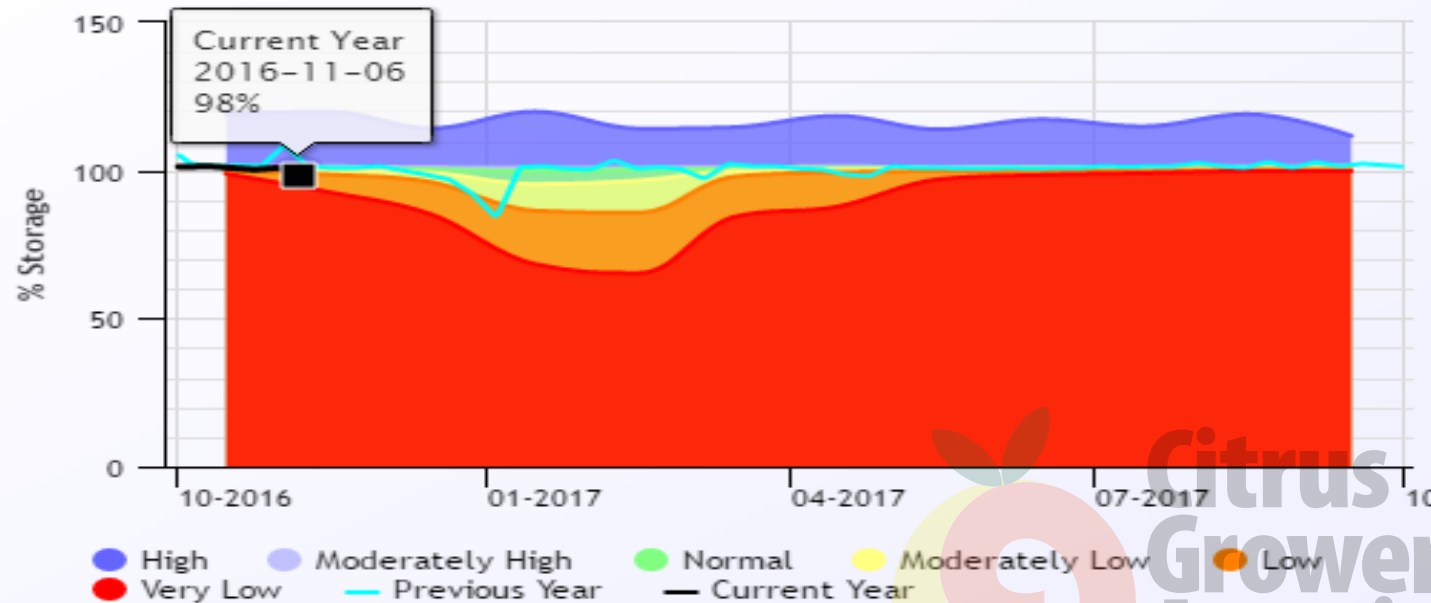
<= 25th Percentile (for this time of the year)

Sedimentation: 0%

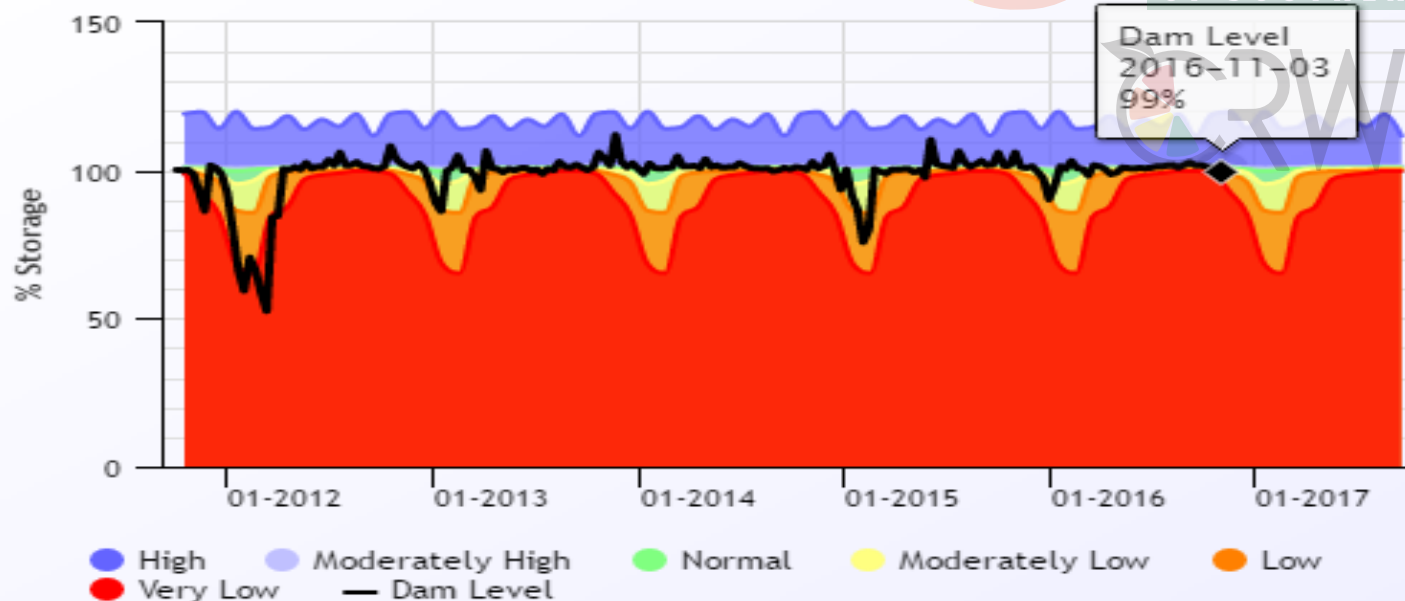
Surface Water Storage (Brandvlei Dam)



Surface Water Storage (Buffeljags Dam)



Surface Water Storage (Buffeljags Dam)



CGA: Boland

Western Cape

Buffeljags Dam

% Full Supply Capacity: 98%

Full Supply Capacity: 4.54 Mm³

Water in Dam: 4.46 Mm³

Status: Low

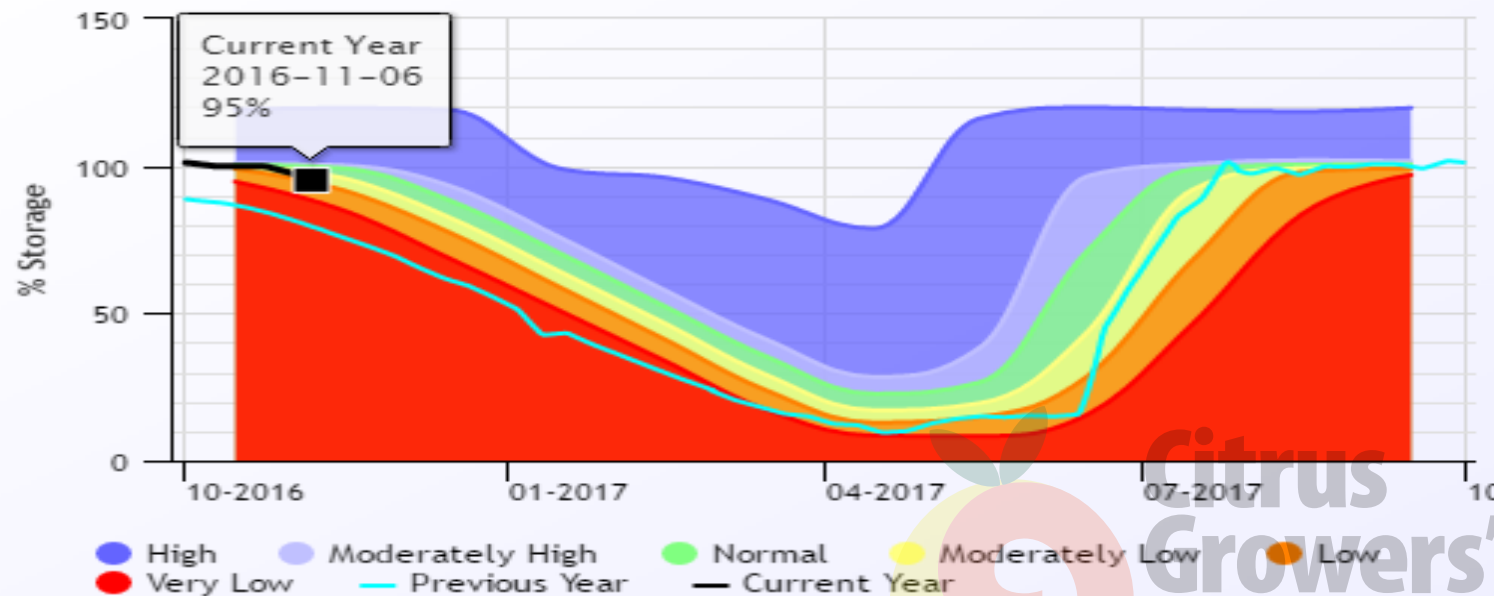
> 10th Percentile

<= 25th Percentile (for this time of the year)

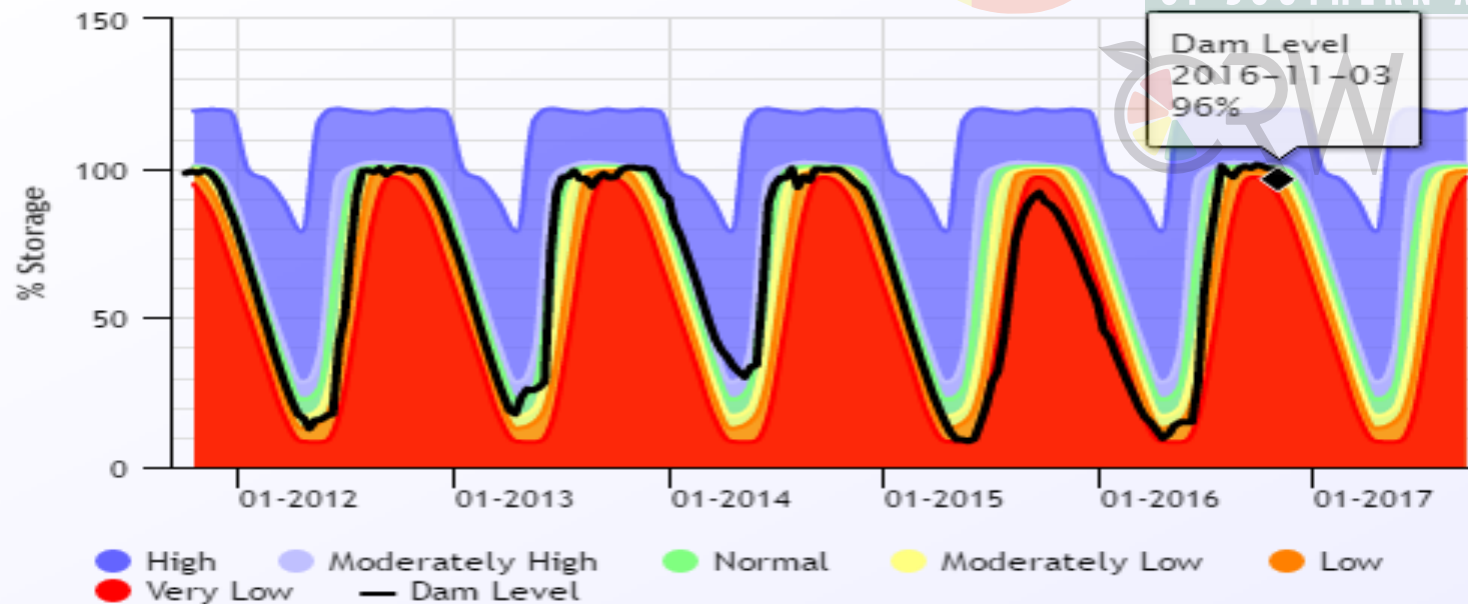
Sedimentation: 8%

Swellendam
Buffeljagsrivier
Suurbraak

Surface Water Storage (Clanwilliam Dam)



Surface Water Storage (Clanwilliam Dam)



CGA: Western Cape

Clanwilliam Dam

% Full Supply Capacity: 95%

Full Supply Capacity: 122.48 Mm³

Water in Dam: 116.60 Mm³

Status: Moderately Low

> 25th Percentile

<= 40th Percentile (for this time of the year)

Sedimentation: 0%

Graafwater

Clanwilliam