



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

EdTM

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Reference: 21/15/P5

MINISTER OF WATER AND SANITATION

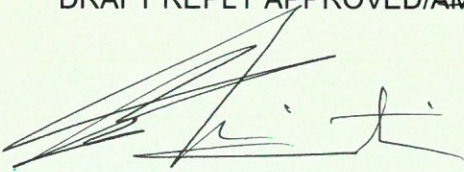
NATIONAL ASSEMBLY: QUESTION 218 FOR WRITTEN REPLY

A draft reply to the above mentioned question asked by Ms M S Khawula (EFF) is attached for your consideration.


ACTING DIRECTOR-GENERAL

DATE: 02/03/2018

DRAFT REPLY APPROVED/AMENDED



NKWINTI GE (MP)
MINISTER OF WATER AND SANITATION

DATE: 11/07/2018

NATIONAL ASSEMBLY
WRITTEN REPLY

QUESTION NO 218

DATE OF PUBLICATION IN INTERNAL QUESTION PAPER: 16 FEBRUARY 2018
(INTERNAL QUESTION PAPER NO. 2)

218. Ms M S Khawula (EFF) to ask the Minister of Water and Sanitation:

What is the (a) total number of dams in the country, (b) exact location of each dam, (c) capacity of each dam, (d) date on which each dam became operational, (e) current level of each dam and (f) name of the owner of each dam?

NW239E

REPLY:

(a) The total number of dams in the country is 5 511 (see attached Register of Dams – **Annexure A**). It should be noted that out of these dams only 320 dams are owned by my Department (the Department of Water and Sanitation).

***Note:** Previously there has been issue/concern at National Assembly that Department only owns 320 dams out of 5 511 dams. To contextualize this, it is worth mentioning that these 320 dams store up to 95% of all available water resources in the country and the rest of 5 191 dams account for the remaining 5% of available water resources. In terms of ownership of large dams, the International Committee on Large Dams (ICOLD) ranks South Africa (DWS) in the 5th place worldwide.*

*Furthermore, once a dam meets a certain size and hazard potential classification criteria in terms of Regulation Gazette No. 9689, the dam owner is required to register such a dam, as a dam with a safety risk. Majority of the 5 191 dams are classified as **Category I** dams, i.e. the wall height is less than 12m implying that in terms of class size it is regarded as a **Small** dam and the hazard potential rating is regarded as **Low** (i.e. no fatalities are expected should such a dam fail). Usually the storage volume of these dams is just above 50 000 m³ and mainly farm dams.*

- (b) Refer to **Annexure A, Column D to Q** of the register.
- (c) Refer to **Annexure A, Column Y** of the register.
- (d) Refer to **Annexure A, Column R** of the register.
- (e) Refer to **Annexure B** for dam levels for dams owned by my Department. It should be noted that only dam levels owned by my Department are submitted. My Department is unfortunately not in a position to furnish levels of privately owned dams.
- (f) The 320 dams as referred to in **Annexure A** are owned by my Department (the Department of Water and Sanitation).



Department of Water and Sanitation

Weekly State of the Reservoirs on

2018-02-12

ABBREVIATIONS:

FSC Nett Full Supply Capacity
 # Latest available data
 * Water available to RSA from Lesotho.
 ~ Balancing dam (See notes on last page)

&&& Error detected in current survey, reverted back to the original survey.
 (For a historical update of this dam go to verified data at <https://www.dwa.gov.za/Hydrology/hymain.aspx>)

WMA = Water Management areas:	
1	Limpopo
2	Olifants
3	Inkomati-Usuthu
4	Pongola-Mtamvuna
5	Vaal Major
6	Orange
7	Mzimvubu-Tsitsikamma
8	Breede-Gouritz
9	Berg-Olifants
10	Lesotho
11	Swaziland

Prov = Geographical Provinces:	
EC	Eastern Cape
FS	Free State
G	Gauteng
KN	Kwazulu-Natal
L	Lesotho
LP	Limpopo
M	Mpumalanga
NC	Northern Cape
NW	North West
S	Swaziland
WC	Western Cape Total
Wcw	Western Cape (Winter Rainfall)
WCo	Western Cape (Other Rainfall)

WSS = Water Supply Systems:	
AL	Algoa
AM	Amathole
BF	Bloemfontein
CT	Cape Town
CW	Crocodile West
IV	IVRS
KP	Klipplaat
LV	Luvuvhu
PK	Polokwane
UM	Umgeni

This document is also available on the internet at:

<https://www.dwa.gov.za/Hydrology/Weekly/Weekly.pdf>

	Station	Reservoir	River	WMA	Prov	WSS	Full Supply Capacity 10 ⁶ M ³	Water in Dam 10 ⁶ M ³	Last Year %Full	Last Week %Full	2018-02-12 %Full
A											
A1	A1R001	Ngotwane	Ngotwane	1	NW		19.033	13.091	56.5	68.5	68.8
A2	A2R001	Hartbeespoort	Krokodil	1	NW	CW	186.44	183.36	98.1	97.6	98.3
	A2R002	Bon Accord	Apies	1	G		4.381	4.564	# 105.1	106.0	104.2
	A2R003	Olifantsnek	Hex	1	NW		13.677	6.111	35.4	46.4	44.7
	A2R004	Rietvlei	Hennops	1	G	CW	12.250	# 12.194	# 102.5	99.5	# 99.5
	A2R005	Buffelspoort	Sterkstroom	1	NW		10.183	9.914	100.6	97.4	97.4
	A2R006	Bospoort	Hex	1	NW	CW	15.799	16.063	102.8	101.7	101.7
	A2R007	Lindleyspoort	Elands	1	NW		14.208	7.264	48.1	51.7	51.1
	A2R008	~Warmbad	Buffelspruit	1	LP		0.549	0.266	# 25.9	# 73.0	48.4
	A2R009	Roodeplaat	Pienaars	1	G	CW	41.158	41.316	99.7	100.3	100.4
	A2R011	Koster	Koster	1	NW		12.417	9.746	25.4	79.0	78.5
	A2R012	Klipvoor	Pienaars	1	NW	CW	40.735	28.032	101.0	69.1	68.8
	A2R013	Swartruggens	Elands	1	NW		0.475	0.480	101.3	89.7	101.2
	A2R014	Vaalkop	Elands	1	NW	CW	51.315	19.611	101.8	37.9	38.2
	A2R015	Roodekopjes	Krokodil	1	NW	CW	96.345	71.017	81.1	69.1	73.7
	A2R018	Middelkraal	Marellwane	1	NW		0.736	0.328	# 54.1	44.0	44.6
A3	A3R001	Marico-Bosveld	Groot-Marico	1	NW		26.963	15.666	75.1	58.6	58.1
	A3R002	Klein Maricopoort	Klein-Marico	1	NW		7.073	2.912	10.5	40.9	41.2
	A3R003	Kromellenboog	Klein-Marico	1	NW		8.956	2.333	47.9	26.7	26.0
	A3R004	Molatedi	Groot-Marico	1	NW		200.79	79.485	40.8	40.3	39.6
	A3R005	Sehujwane	Sehujane	1	NW		3.614	3.607	100.5	100.4	99.8
	A3R006	Madikwe	Thlwane	1	NW		15.938	9.488	65.3	60.4	59.5
	A3R007	Pella	Lethlakane	1	NW		2.111	1.056	79.3	50.6	50.0
A4	A4R001	Mokolo	Mokolo	1	LP		145.77	114.58	78.8	79.1	78.6
A6	A6R001	Doorndraai	Sterk	1	LP		43.764	19.686	61.9	41.7	45.0
	A6R002	Glen Alpine	Mogalakwena	1	LP		18.889	1.990	103.8	11.0	10.5
A7	A7R002	Houtrivier	Hout	1	LP		6.625	# 2.952	***	# 44.6	# 44.6
A8	A8R001	Nzhelele	Nzhelele	1	LP		51.234	18.821	43.5	37.9	36.7
	A8R002	Luphephe	Luphephe	1	LP		13.984	6.792	56.2	50.2	48.6
	A8R003	Nwanedzi	Nwanedzi	1	LP		5.144	3.174	76.3	63.3	61.7
	A8R004	&& Mutshedzi	Mutshedzi	1	LP		2.336	1.861	96.9	81.3	79.7
A9	A9R001	Albasini	Luvuvhu	1	LP	LV	28.199	21.733	76.3	74.8	77.1
	A9R002	Vondo	Mutshindudi	1	LP	LV	30.447	28.115	85.8	92.3	92.3
	A9R004	Nandoni	Levhuvhu	1	LP	LV	166.11	156.44	87.7	94.5	94.2
	Subtotal						1297.65	914.05	75.5	70.2	70.4
B											
B1	B1R001	Witbank	Olifants	2	M		104.02	100.58	97.4	99.0	96.7
	B1R002	Middelburg	Little Olifants	2	M		48.056	44.014	45.9	94.1	91.6
B2	B2R001	Bronkhorstspuit	Bronkhorstspuit	2	G		56.994	49.323	71.5	88.6	86.5
B3	B3R001	Rust De Winter	Elands	2	LP		28.186	21.738	67.9	72.6	77.1
	B3R002	Loskop	Olifants	2	M		361.51	355.22	63.3	97.7	98.3
	B3R005	Rhenosterkop	Elands	2	M		204.58	18.628	21.8	9.4	9.1
B4	B4R001	Tonteldoos	Tonteldoos	2	LP		0.189	0.190	100.4	100.5	100.5
	B4R002	Vlugkraal	Vlugkraal	2	LP		0.443	0.437	103.1	100.0	98.6
	B4R004	Buffelskloof	Waterval	2	M		5.244	3.794	100.3	74.1	72.3
	B4R007	De Hoop	Steelpoort	2	LP		348.70	340.93	98.9	98.3	97.8
B5	B5R002	Flag Boshielo	Olifants	2	LP	PK	185.13	75.486	44.3	44.1	40.8
B6	B6R001	Ohrigstad	Ohrigstad	2	M		13.448	4.897	34.0	36.9	36.4
	B6R003	Blyderivierpoort	Blyde	2	M		54.369	34.574	100.7	61.4	63.6
B7	B7R001	Klaserie	Klaserie	2	LP		5.604	4.743	100.1	83.3	84.6
	B7R003	Tours	Ngwabitsi	2	LP		6.084	3.941	50.4	66.0	64.8
B8	B8R001	Ebenezer	Groot-Letaba	2	LP	PK	69.139	59.022	71.0	85.9	85.4
	B8R002	Hans Merensky	Ramadipepa	2	LP		1.225	1.253	102.1	101.2	102.3
	B8R003	Magoebaskloof	Politsi	2	LP		4.840	4.840	100.6	100.3	100.0
	B8R004	Vergelegen	Politsi Tributary	2	LP		0.254	0.240	101.6	94.2	94.8
	B8R005	Tzaneen	Groot-Letaba	2	LP		156.53	59.718	32.8	38.5	38.2
	B8R006	Dap Naude	Broederstroom	2	LP		1.936	1.870	100.4	94.4	96.6
	B8R007	Middel-Letaba	Middel-Letaba	2	LP		171.93	22.747	23.6	13.5	13.2
	B8R009	Nsami	Nsama	2	LP		21.874	9.718	100.3	45.1	44.4
	B8R011	Modjadji	Molototsi	2	LP		7.196	1.993	51.2	28.8	27.7
	Subtotal						1857.48	1219.90	61.0	66.3	65.7

	Station	Reservoir	River	WMA	Prov	WSS	Full Supply Capacity 10 ⁶ M ³	Water in Dam 10 ⁶ M ³	Last Year %Full	Last Week %Full	2018-02-12 %Full
C											
C1	C1R001	Vaal	Vaal	5	FS	IV	2603.45	2122.65	64.1	80.3	81.5
	C1R002	Grootdraai	Vaal	5	M	IV	349.53	351.61	99.9	100.8	100.6
C2	C2R001	Boskop	Mooi	5	NW		21.026	17.212	97.1	81.2	81.9
	C2R002	Johan Nesor	Skoonspruit	5	NW		5.672	0.474	94.0	5.4	8.3
	C2R003	Klerkskraal	Mooi	5	NW		7.922	4.990	96.7	65.5	63.0
	C2R004	Potchefstroom	Mooi	5	NW		2.027	1.628	90.0	96.0	80.3
	C2R005	Klipdrift	Loop Spruit	5	NW		13.301	9.719	101.9	73.1	73.1
	C2R006	Elandskuil	Swartleegte	5	NW		1.181	0.318	12.2	26.6	26.9
	C2R007	Rietspruit	Rietspruit	5	NW		7.275	2.408	29.4	35.5	33.1
C3	C3R002	Spitskop	Harts	5	NC		57.831	31.069	103.6	53.4	53.7
	C3R006	Taung	Harts	5	NW		61.366	54.828	87.4	89.6	89.3
C4	C4R001	Allemanskraal	Sand	5	FS		174.52	51.105	28.6	29.4	29.3
	C4R002	Erfenis	Groot-Vet	5	FS		206.06	83.597	67.9	41.0	40.6
C5	C5R001	Tierpoort	Tierpoort	6	FS		33.995	0.087	0.3	0.2	0.3
	C5R002	Kalkfontein	Riet	6	FS		325.13	28.725	3.4	9.0	8.8
	C5R003	Rustfontein	Modder	6	FS	BF	72.109	16.175	35.1	22.6	22.4
	C5R004	Krugerdrift	Modder	6	FS		71.479	3.573	29.6	5.1	5.0
	C5R005	Groothoek	Kgabanyane	6	FS	BF	11.905	1.846	10.2	12.7	15.5
C7	C7R001	Koppies	Renoster	5	FS		42.311	30.914	101.5	70.5	73.1
C8	C8R003	~Sterkfontein	Nuwejaar Spruit	5	FS	IV	2616.90	2471.04	87.7	94.4	94.4
	C8R004	~Saulspoort	Liebenbergvlei	5	FS		15.675	15.548	100.2	94.9	99.2
	C8R008	Fika-Patso	Namahadi	5	FS		29.411	# 10.244	42.6	34.8	# 34.8
C9	C9R001	~Vaalharts Storage Weir	Vaal	5	NC		50.682	39.950	78.4	80.6	78.8
	C9R002	Bloemhof	Vaal	5	FS	IV	1240.24	893.75	42.0	72.3	72.1
	C9R003	~Douglas Storage Weir	Vaal	6	NC		16.245	17.673	110.0	108.3	108.8
	Subtotal						8037.24	6261.13	66.9	77.5	77.9
D											
D1	D1R001	Sterkspruit	Sterkspruit	6	EC		9.473	# 7.325	100.7	# 77.3	# 77.3
	D1R002	*Katse	Malibamatso	10	L	IV	1519.10	682.30	49.4	43.0	44.9
	D1R003	Mohale	Sequnyane	10	L	IV	843.53	160.91	54.9	19.0	19.1
D2	D2R001	Egmont	Witspruit	6	FS		9.059	4.232	17.8	47.1	46.7
	D2R002	Armenia	Leeu	6	FS		12.957	6.716	49.2	52.7	51.8
	D2R004	~Welbedacht	Caledon	6	FS	BF	5.418	5.418	112.0	95.1	100.0
	D2R006	Knellpoort	Rietspruit	6	FS	BF	130.00	50.371	40.2	37.6	38.7
D3	D3R002	Gariep	Orange	6	FS		5196.04	2895.95	59.4	53.8	55.7
	D3R003	Vanderkloof	Orange	6	FS		3171.30	1756.54	52.5	57.0	55.4
D4	D4R003	Disaneng	Molopo	5	NW		14.125	9.322	102.1	66.0	66.0
	D4R004	Setumo	Molopo	5	NW		20.718	15.638	99.8	83.0	75.5
D7	D7R001	~Boegoeberg	Orange	6	NC		20.613	22.650	107.3	108.0	109.9
	Subtotal						10952.33	5617.37	55.7	50.6	51.3
E											
E1	E1R001	Bulshoek	Olifants	9	WCw		4.809	1.494	62.8	33.0	31.1
	E1R002	Clanwilliam	Olifants	9	WCw		122.48	16.119	43.6	14.7	13.2
E4	E4R001	Karee	Karee	9	NC		0.949	0.000	0.0	0.0	0.0
	Subtotal						128.24	17.61	44.0	15.2	13.7
G											
G1	G1R001	Voëlvlei	Voëlvlei	9	WCw	CT	158.58	27.427	38.2	17.7	17.3
	G1R002	Wemmershoek	Wemmers	9	WCw	CT	58.710	28.964	36.7	51.1	49.3
	G1R003	~Misverstand	Berg	9	WCw		6.439	4.388	101.8	69.5	68.2
	G1R004	Berg River	Berg	9	WCw	CT	127.05	65.214	44.3	52.4	51.3
G4	G4R001	~Steenbras	Steenbras	9	WCw	CT	33.880	13.178	40.5	42.3	38.9
	G4R002	Eikenhof	Palmiet	8	WCw		28.856	15.480	64.4	61.4	53.6
	G4R007	~Steenbras dam-Upper	Steenbras	9	WCw	CT	31.811	25.838	58.0	81.9	81.2
	G4R010	De Bos	Onrus	8	WCw		5.735	2.803	76.1	48.9	48.9
	Subtotal						451.06	183.29	44.4	42.1	40.6

	Station	Reservoir	River	WMA	Prov	WSS	Full Supply Capacity 10 ⁶ M ³	Water in Dam 10 ⁶ M ³	Last Year %Full	Last Week %Full	2018-02-12 %Full
H											
H1	H1R001	Brandvlei	Brandvlei	8	WCw		286.04	39.253	27.3	14.5	13.7
	H1R002	Stettynskloof	Holsloot	8	WCw		14.747	10.484	60.1	74.9	71.1
	H1R003	Ceres	Koekedou	8	WCw		17.250	5.520	70.0	33.4	32.0
H2	H2R001	Roode Elsberg	Sanddrifskloof	8	WCw		7.727	0.743	49.6	12.7	9.6
	H2R002	Lakenvallei	Sanddrifskloof	8	WCw		10.264	7.392	90.3	74.2	72.0
H3	H3R001	Poortjies Kloof	Groot	8	WCw		9.720	2.079	51.0	22.9	21.4
	H3R002	Pietersfontein	Pietersfontein	8	WCw		1.984	0.925	69.6	47.0	46.6
H4	H4R002	Keerom	Nuy	8	WCw		9.750	2.362	51.8	24.2	24.2
	H4R003	Klipberg	Konings	8	WCw		1.978	0.094	26.4	4.4	4.8
	H4R004	Kwaggaskloof	Kwaggaskloof	8	WCw		169.41	35.687	29.5	20.8	21.1
H6	H6R001	Thee Waters Kloof	Riviersonderend	8	WCw	CT	479.26	56.263	30.6	12.3	11.7
	H6R002	Elandskloof	Elands	8	WCw		10.993	2.627	36.4	26.3	23.9
H7	H7R001	Buffelsjags	Buffelsjags	8	WCo		4.543	4.802	100.8	101.1	105.7
H8	H8R001	Duiwenhoks	Duiwenhoks	8	WCo		6.180	6.142	89.0	100.3	99.4
H9	H9R001	Korentepoort	Korinte	8	WCo		8.092	4.660	65.4	58.4	57.6
	Subtotal						1037.94	179.03	32.8	17.8	17.2
J											
J1	J1R001	Prinsrivier	Prins	8	WCo		2.258	0.231	6.8	10.2	10.2
	J1R002	Bellair	Brak	8	WCo		4.241	1.220	47.0	28.8	28.8
	J1R003	Floris Kraal	Buffels	8	WCo		48.266	0.523	6.4	1.1	1.1
	J1R004	Miertjies Kraal	Brand	8	WCo		1.442	0.139	1.9	9.8	9.6
J2	J2R001	Calitzdorp	Nels	8	WCo		4.817	0.454	47.5	9.6	9.4
	J2R002	Leeugamka	Leeu	8	WCo		13.584	1.996	0.1	17.1	14.7
	J2R003	Oukloof	Cordiers	8	WCo		4.190	0.031	8.3	0.7	0.7
	J2R004	Gamka	Gamka	8	WCo		1.820	0.000	13.7	0.0	0.0
	J2R006	Gamkapoort	Gamka	8	WCo		36.234	0.000	0.0	0.0	0.0
J3	J3R001	Kammanassie	Kammanassie	8	WCo		34.354	1.489	8.4	4.7	4.3
	J3R002	Stompdrift	Olifants	8	WCo		46.267	1.126	5.9	2.6	2.4
	Subtotal						197.47	7.209	6.99	3.92	3.65
K											
K1	K1R001	Hartebeestkuil	Hartenbos	8	WCo		7.133	0.459	36.5	6.6	6.4
	K1R002	Klipheuwel	Hartenbos	8	WCo		4.450	3.592	80.2	79.3	80.7
K2	K2R001	Ernest Robertson	Grootbrak	8	WCo		0.415	0.412	100.5	100.4	99.3
	K2R002	Wolwedans	Grootbrak	8	WCo		24.626	21.429	91.6	87.9	87.0
K3	K3R002	Garden Route	Swart	8	WCo		9.979	9.567	77.3	95.9	95.9
K6	K6R001	Roodefontein	Piesang	8	WCo		1.990	1.412	85.1	71.7	70.9
K9	K9R001	Kromrivier	Krom	7	EC	AL	35.240	6.620	32.7	19.0	18.8
	K9R002	Impofu	Krom	7	EC	AL	105.76	44.435	72.7	42.9	42.0
	Subtotal						189.59	87.93	66.9	47.0	46.4
L											
L3	L3R001	~Beervlei	Groot	7	EC		85.779	0.004	0.0	0.0	0.0
L8	L8R001	Kouga	Kouga	7	EC	AL	125.91	12.680	37.8	10.1	10.1
	L8R002	Haarlem	Groot	7	WCo		4.603	3.053	46.3	67.4	66.3
L9	L9R001	~Loerie	Loerie Spruit	7	EC	AL	3.026	2.540	34.2	84.3	83.9
	Subtotal						219.32	18.28	23.1	8.40	8.33
M											
M1	M1R001	Groendal	Swartkops	7	EC	AL	11.638	5.936	64.4	51.0	51.0
	Subtotal						11.64	5.936	64.4	51.0	51.0

	Station	Reservoir	River	WMA	Prov	WSS	Full Supply Capacity 10 ⁶ M ³	Water in Dam 10 ⁶ M ³	Last Year %Full	Last Week %Full	2018-02-12 %Full
U											
U2	U2R001	Midmar	Mgeni	4	KN	UM	235.42	224.78	59.9	92.7	95.5
	U2R002	Nagle	Mgeni	4	KN	UM	23.236	15.845	76.9	71.6	68.2
	U2R003	Albert-Falls	Mgeni	4	KN	UM	288.14	65.246	24.7	22.0	22.6
	U2R004	Inanda	Mgeni	4	KN	UM	237.40	148.43	59.6	63.0	62.5
U3	U3R001	Hazelmere	Mdloti	4	KN		37.133	22.378	64.3	60.7	60.3
	Subtotal						821.33	476.68	47.7	57.3	58.0
V											
V1	V1R001	Spioenkop	Tugela	4	KN		270.64	235.46	66.1	84.2	87.0
	V1R002	~Driel Barrage	Tugela	4	KN		8.694	8.319	99.7	99.0	95.7
	V1R003	~Woodstock	Tugela	4	KN	IV	373.25	314.53	92.3	65.6	84.3
V2	V2R001	Craigie Burn	Mnyamvubu	4	KN		22.466	22.570	58.1	100.9	100.5
	V2R002	Mearns	Mooi	4	KN		5.163	5.170	103.2	104.8	100.1
	V2R003	Spring Grove	Mooi	4	KN	UM	139.20	122.82	60.2	85.9	88.2
V3	V3R001	Ntshingwayo	Ngagane	4	KN		194.56	172.44	68.1	90.6	88.6
	V3R003	Zaaihoek	Slang	4	KN	IV	184.63	113.11	52.0	61.3	61.3
V7	V7R001	Wagendrift	Boesmans	4	KN		55.900	56.903	102.7	101.7	101.8
	Subtotal						1254.50	1051.32	73.4	77.7	83.8
W											
W1	W1R001	Goedertrouw	Mhlatuze	4	KN		301.26	105.83	27.4	35.3	35.1
W2	W2R001	Klipfontein	Wit Mfолоzi	4	KN		18.086	17.615	35.5	96.7	97.4
W3	W3R001	Hluhluwe	Hluhluwe	4	KN		25.893	16.084	21.1	63.1	62.1
W4	W4R001	Pongolaport	Phongolo	4	KN		2267.07	821.81	37.7	36.4	36.3
	W4R002	Bivane	Bivane	4	KN		114.04	113.36	78.5	99.4	99.4
W5	W5R001	Jericho	Mpama	3	M	IV	59.273	51.153	75.2	86.3	86.3
	W5R002	Westoe	Usutu	3	M	IV	60.095	49.739	75.7	84.4	82.8
	W5R003	Morgenston d	Ngwempisi	3	M	IV	99.988	69.165	58.1	68.4	69.2
	W5R004	Heyshope	Assegaai	3	M	IV	444.94	373.68	80.5	83.8	84.0
	Subtotal						3390.65	1618.44	45.6	47.8	47.7
X											
X1	X1R001	Nooigedacht	Komati	3	M	IV	78.343	73.786	71.6	94.7	94.2
	X1R003	Vygeboom	Komati	3	M	IV	78.020	78.287	100.5	100.3	100.3
	X1R004	Driekoppies	Lomati	3	M		250.92	110.89	28.6	44.0	44.2
	X1R005	Maguga	Komati	11	S		333.75	245.74	46.7	75.0	73.6
X2	X2R001	Longmere	Wit	3	M		4.202	2.635	67.4	69.7	62.7
	X2R002	Klipkopjes	Wit	3	M		11.777	8.695	34.8	78.3	73.8
	X2R003	Witklip	Sand	3	M		12.519	11.030	60.6	88.4	88.1
	X2R004	Primkop	Wit	3	M		1.899	1.340	74.0	73.6	70.6
	X2R005	Kwena	Krokodil	3	M		158.89	102.20	46.0	65.5	64.3
X3	X3R001	Da Gama	White Waters	3	M		13.526	10.812	54.9	80.8	79.9
	X3R002	Inyaka	Marite	3	M		123.66	92.684	67.5	75.1	75.0
	Subtotal						1067.51	738.10	50.8	69.8	69.1

Total Full Supply Capacity of dams 10 ⁶ M ³	Last Year	Last Week	This Week 2018-02-12
	32350.2	32369.5	32369.5

	Station	Reservoir	River	WMA	Prov	WSS	Full Supply Capacity 10 ⁶ M ³	Water in Dam 10 ⁶ M ³	Last Year %Full	Last Week %Full	2018-02-12 %Full
N											
N1	N1R001	Nqweba (Van Ryneveldspas)	Sondags	7	EC		44.718	6.178	21.9	14.1	13.8
N2	N2R001	Darlington	Sondags	7	EC		180.83	50.070	18.7	27.7	27.7
	Subtotal						225.55	56.25	19.3	25.0	24.9
Q											
Q1	Q1R001	~Grassridge	Groot Brak	7	EC		46.190	22.080	37.5	51.0	47.8
Q4	Q4R002	Kommando drift	Tarka	7	EC		55.870	13.835	34.0	23.9	24.8
Q5	Q5L001	~Elands Drift	Great Fish	7	EC		3.546	2.954	67.4	72.4	83.3
Q8	Q8R001	~De Mist Kraal	Little Fish	7	EC		2.053	1.573	75.3	86.2	76.6
Q9	Q9L001	Glen Melville	Water from Fish river via Eccla tunnel	7	EC		6.229	5.746	90.3	97.1	92.3
	Q9R001	Katrivier	Kat	7	EC		24.682	24.322	77.6	98.6	98.5
	Subtotal						138.57	70.51	47.0	51.7	50.9
R											
R1	R1R001	Sandile	Keiskamma	7	EC		29.656	21.745	47.3	73.7	73.3
	R1R003	Binfield	Tyume	7	EC		36.849	36.663	85.9	99.5	99.5
R2	R2L001	Debe	Debe	7	EC		6.331	3.347	63.6	50.0	52.9
	R2R001	Laing	Buffalo	7	EC	AM	18.904	18.904	99.0	100.0	100.0
	R2R002	Rooikrantz	Buffalo	7	EC	AM	4.799	4.799	83.1	100.3	100.0
	R2R003	Bridle Drift	Buffalo	7	EC	AM	97.923	69.083	51.5	72.3	70.5
R3	R3R001	Nahoon	Nahoon	7	EC	AM	19.247	16.772	65.2	88.6	87.1
	Subtotal						213.71	171.31	63.4	81.1	80.2
S											
S1	S1L001	Macubeni	Cacadu	7	EC		3.373	3.373	95.0	100.0	100.0
	S1R001	Xonxa	White Kei	7	EC		115.86	118.89	101.1	100.5	102.6
S2	S2R001	Lubisi	Indwe	7	EC		158.00	78.163	48.4	46.9	49.5
	S2R002	Doornrivier	Doorn	7	EC		17.099	10.358	47.1	59.8	60.6
S3	S3L001	Boesmansk rantz	Oxkraal	7	EC	KP	4.818	1.287	24.9	28.1	26.7
	S3R001	Waterdown	Klipplaat	7	EC	KP	37.441	25.435	70.2	68.2	67.9
	S3R003	Oxkraal	Oskraal	7	EC	KP	14.829	6.030	25.5	36.2	40.7
S5	S5R001	Ncora	Tsomo	7	EC		147.28	154.91	52.8	101.3	105.2
	S5R002	Tsojana	Tsojana	7	EC		12.272	12.272	89.3	99.2	100.0
S6	S6R001	Gubu	Gubu	7	EC	AM	8.504	8.354	92.5	98.4	98.2
	S6R002	Wriggleswade	Kubisi	7	EC	AM	91.471	68.024	88.0	74.3	74.4
S7	S7R001	Gcuwa	Gcuwa	7	EC		0.421	0.421	59.1	100.0	100.0
	S7R002	Xilinxa	Xilinca	7	EC		13.823	1.154	0.2	8.3	8.3
	S7R003	Toleni	Toleni	7	EC		0.177	0.154	15.5	87.8	87.0
	Subtotal						625.37	488.82	66.1	76.1	78.2
T											
T2	T2R001	Umtata	Mtata	7	EC		244.67	246.89	100.6	102.1	100.9
	T2R002	Mabeleni	Mhlahlane	7	EC		2.099	2.099	100.0	100.0	100.0
	T2R003	Corana	Corana	7	EC		0.725	0.375	7.9	51.7	51.7
T3	T3R001	Belfort	Mafube	7	EC		0.413	0.413	100.0	100.0	100.0
	T3R003	Ntenetyana	Ntenetyana	7	EC		1.615	1.337	51.5	79.2	82.8
	T3R004	Nqadu	Nqadu	7	EC		1.274	0.481	19.6	37.2	37.7
T7	T7R001	Mlanga	Mlanga	7	EC		1.597	0.277	0.0	15.2	17.3
	Subtotal						252.39	251.87	99.0	100.9	99.8

Summary Provinces	Full Supply Capacity 10⁶M³	Water in Storage 10⁶M³	Last Year %Full	Last Week %Full	This Week %Full
EC Eastern Cape	1832.4	1118.3	57.9	60.7	61.0
FS Free State	15968.0	10448.5	60.3	64.9	65.4
G Gauteng	114.8	107.4	86.2	94.6	93.6
KN Kwazulu-Natal	4802.2	2602.7	48.9	52.6	54.2
L Lesotho	2362.6	843.2	51.3	34.4	35.7
LP Limpopo	1522.3	985.3	67.1	65.3	64.7
M Mpumalanga	2538.8	1949.4	67.1	76.9	76.8
NC Northern Cape	146.3	111.3	95.4	76.2	76.1
NW North West	881.4	596.1	76.0	67.4	67.6
S Swaziland	333.8	245.7	46.7	75.0	73.6
WCo Western Cape - Other rainfall	269.5	62.7	25.9	23.5	23.3
WCw Western Cape - Winter rainfall	1597.5	364.3	36.4	23.7	22.8
WC Western Cape - Total	1867	427	34.9	23.7	22.9
GRAND TOTAL	32369.5	19435.0	57.7	59.5	60.0

Summary WMA	Full Supply Capacity 10⁶M³	Water in Storage 10⁶M³	Last Year %Full	Last Week %Full	This Week %Full
1 Limpopo	1297.6	914.0	75.5	70.2	70.4
2 Olifants	1857.5	1219.9	61.0	66.3	65.7
3 Inkomati-Usuthu	1398.1	1036.1	63.9	74.3	74.1
4 Pongola-Mtamvuna	4802.2	2602.7	48.9	52.6	54.2
5 Vaal Major	7541.2	6218.0	70.7	82.1	82.5
6 Orange	9085.7	4817.3	54.2	52.5	53.0
7 Mzimvubu-Tsitsikamma	1827.5	1114.0	57.7	60.6	61.0
8 Breede-Gouritz	1318.6	241.4	31.5	19.0	18.3
9 Berg-Olifants	544.7	182.6	42.9	34.7	33.5
10 Lesotho	2362.6	843.2	51.3	34.4	35.7
11 Swaziland	333.8	245.7	46.7	75.0	73.6
GRAND TOTAL	32369.5	19435.0	57.7	59.5	60.0

Please note that the above summaries are not representative of all dams within any of the Provinces or Water Management Areas.

The summaries only reflect the storages for those dams listed in the Weekly State of Reservoirs Report.

Summary Water Supply Systems		Full Supply Capacity 10 ⁶ M ³	Water in Storage 10 ⁶ M ³	Last Year %Full	Last Week %Full	This Week %Full
AL	Algoa	281.6	72.2	51.3	26.0	25.6
AM	Amathole	240.8	185.9	72.3	78.0	77.2
BF	Bloemfontein	219.4	73.8	38.6	32.7	33.6
CT	Cape Town	889.3	216.9	35.7	25.2	24.4
CW	Crocodile West	444.0	371.6	95.5	82.3	83.7
IV	IVRS	10551.3	7805.7	67.6	72.8	74.0
KP	Klipplaat	57.1	32.8	54.8	56.5	57.4
LV	Luvuvhu	224.8	206.3	86.0	91.7	91.8
PK	Polokwane	254.3	134.5	51.6	55.5	52.9
UM	Umgeni	923.4	577.1	49.3	61.5	62.5

Balancing Dams

Unlike a storage dam where the primary purpose is the long term storage of water, a balancing dam is designed to act as a multi-purpose facility. Commonly it would serve as a distribution point from where water is diverted into pipelines, canals or power generating turbines or to serve as a pumping station. In some instances the balancing dam may have no natural catchment of its own. Water is usually fed into the dam from one or more outside sources in such a way that a **balance** is struck between the water entering at one end and being distributed at the other. Depending on the size of the dam, it may happen that the volume of water passing through the dam in the course of a day may exceed the capacity of the dam. The constant in and outflow of water will cause the water level in the dam to fluctuate, and the smaller the balancing dam the larger and more rapid such fluctuations will be.

Dams marked with a ~ in the Weekly Bulletin fall under the above description and water levels at these dams can therefore be expected to vary considerably from week to week.

NOTE:

Beervlei Dam does not qualify as either a balancing dam or a storage dam but belongs to a category of its own. The dam was built as a flood control dam to protect the Gamtoos River Valley from flooding. In order to perform its flood control function the dam is operated at 0 %.