



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Director: Eastern Operations

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STATE OF DAMS: EASTERN OPERATIONS

Dam	Full Capacity (x10 ⁶ m ³)	Previous Storage	Current Storage	Percentage %	Rainfall Past 24 Hours	Average Inflow m ³ /s	River Release m ³ /s	Total Release m ³ /s
CRAIGIEBURN	22.47	22.51	22.51	100.18%	0.0	0.00	0.00	0.00
NTSHINGWAYO	194.56	175.33	175.01	89.95%	0.0	0.00	0.32	1.48
SPIOENKOP	270.64	251.92	251.48	92.92%	0.0	2.18	7.03	7.28
WAGENDRIFT	55.90	56.00	56.00	100.18%	0.0	1.51	1.29	1.51
ZULULAND DAMS								
GOEDERTROUW	301.26	102.42	102.48	34.02%	0.0	2.67	1.07	2.02
HLUHLUWE	25.89	18.46	18.43	71.18%	1.2	0.00	0.02	0.03
PONGOLAPOORT	2267.07	887.10	887.10	39.13%	0.0	5.41	3.14	5.42
LAVUMISA	0.3837	0.1000	0.1000	26.06%			G/plate =	0.01
KLIPFONTEIN	18.09	11.53	11.51	63.65%	0.0	0.22	0.40	0.44
ULUNDI WEIR	0.147	0.134	0.127	86.39%	0.0	3 UP	G/plate =	3.62
UMGENI DAMS								
ALBERT FALLS	288.15	96.97	98.81	34.29%	0.0	23.34	2.04	2.04
HAZELMERE	17.86	20.88	20.85	116.75%	0.0	0.48	0.11	0.83
INANDA	241.69	160.99	160.88	66.56%	0.0	4.47	0.54	5.74
MIDMAR	235.42	183.75	183.27	77.85%	0.0	0.00	0.31	3.74
MEARNS WEIR	5.12	2.05	2.05	40.07%	0.0	0.61	0.61	0.61
SPRING GROVE	139.46	122.92	123.01	88.20%	0.0	1.37	0.33	0.33
NAGLE	23.24	17.68	17.47	75.19%	0.0	2.59	0.00	5.02
UMGENI DAMS COMBINED		UMGENI DAMS FULL CAPACITY: 927.95 mil.m3						
		CURRENT STORAGE IN UMGENI DAMS: 583.44 mil.m3						
		PERCENTAGE IN UMGENI DAMS: 62.9%						
DRIEL	8.69	9.28	9.28	106.75%	0.0	14.14	2.97	14.17
STERKFONTEIN	2616.90	2378.73	2378.73	90.90%	0.0	0.21	0.21	0.21
WOODSTOCK	373.25	329.66	329.66	88.32%	0.0	15.94	No Down Stream Weir	16.00
OTHER DAMS								
BIVANE	115.22	101.99	101.99	88.52%	0.0	5.50	5.50	5.50
LUDEKE	14.95	14.12	14.11	94.41%	0.0	0.00	0.01	0.01
ZAAIHOEK	184.63	131.09	131.09	71.00%	0.0	0.37	0.40	0.40

PUMPING SCHEMES

MOOI - MGENI TRANSFER SCHEME-1 MEARNS WEIR	0.000	m ³ /sec	VOLUME	0.000	Mil.m3
MOOI - MGENI TRANSFER SCHEME-2 SPRING GROVE DAM	0.000	m ³ /sec	VOLUME	0.000	Mil.m3
MOOI MGENI TRANSFER SCHEME COMBINED PUMPING	0.000	m ³ /sec	VOLUME	0.000	Mil.m3
INANDA DAM	1.330	m ³ /sec	VOLUME	0.120	mil.m ³
SHAFT PUMPING	0.330	m ³ /sec	VOLUME	0.030	mil.m ³
DRIEL	11.200	m ³ /sec	VOLUME	0.968	mil.m ³
KILBURN	10.800	m ³ /sec	VOLUME	0.936	mil.m ³
TUGELA MHLATUZE TRANSFER SCHEME	0.963	m ³ /sec	VOLUME	0.083	mil.m ³
LAVUMISA PUMPING	0.100	m ³ /sec	VOLUME	0.009	mil.m ³