

Department of Water and Sanitation

SAFPUB V02 Output 20/04/2025

Station						Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	1
T4R001	Ludeke River @ Mfundeni					30:44:39	29:44:47	T40C	146	Ludeke Dam		
Data									Data Period			
	100.00	Level	(Metres)						2014-09-11	2025-03-01	12% missing	
T5R001	Mzimkhulwana River @ Horseshoe					30:43:09	30:09:04	T52K	427	Gilbert Eyles Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity							
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)							
	9.13	416.51	0.00	0.00	0.00			1960-10-01				
	9.13	416.51	25.70	0.34	0.34			1984-10-01	Basin survey			
	9.13	416.51	25.70	0.34	0.34			1995-05-14				
Data									Data Period			
	100.00	Level	(Metres)						1975-05-27	2025-03-01	13% missing	
Components									Component Period			
	T5H012	Mzimkhulwana River @ Horseshoe							1960-10-01			
	T5E001	Horseshoe @ Gilbert Eyles Dam							1977-11-24			
T5R002	Singisi River @ Singisi					30:14:58	29:32:13	T51H	17	Singisi @ Singisi		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity							
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)							
	0.00	1436.00	0.00	0.00	0.00				1979-02-01			
Components									Component Period			
	T5E007	Singisi @ Singisi Dam							1985-09-04			
U2R001	Mgeni River @ Midmar					29:29:42	30:12:05	U20C	928	Midmar Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity							
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)							
	9.98	1031.64	809.21	29.64	29.64			1963-10-29	Basin survey			
	22.24	1043.90	1564.20	177.35	177.35			1964-04-20				
	22.24	1043.90	1564.20	177.11	177.11			1983-10-01	Basin survey			
	22.24	1043.90	1564.30	175.06	175.06			1996-10-01	Basin survey			
	25.84	1047.50	1793.15	235.42	235.42			2002-12-31				
Data									Data Period			
	100.00	Level	(Metres)						1963-10-29	2025-03-30		
	101.00	Cor.Lev.	(Metres)						2016-05-01	2016-08-01		
	230.00	Level	(m)	MeteoSat					2005-11-22	2007-01-23		
	230.01	Level	(m)	East Coast					2006-03-01	2014-06-25	11% missing	
	230.04	Level	(m)	HYDRAS 3					2017-12-21	2023-04-02	7% missing	
	230.09	Level	(m)	Cello primary hg					2015-07-17	2025-03-30	67% missing	



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	2
U2R001	(continued)										
Components							Component	Period			
	0239421	Merrivale					1963-10-01	1964-09-09			
	U2E002	Driefontein @ Cedara					1963-10-29	1964-09-08			
	U2H001	Mgeni River @ Howick					1963-10-29	1968-03-10			
	U2E003	Midmar @ Midmar Dam					1964-10-01				
	U2H049	Pipeline from Midmar Dam @ Midmar					1967-04-01				
	U2H048	Mgeni River @ Midmar					1968-03-11				
	V2H015	Pipeline to Lions River @ Mearns					1984-01-05				
U2R002	Mgeni River @ Inanda Loc.				29:35:26	30:37:39	U20G	2535	Nagle Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	103.77	403.81	156.10	23.24	24.60						
					1963-10-01	Basin survey					
Data					Data Period						
	100.00	Level (Metres)			1980-12-01	2025-03-14	1% missing				
	230.00	Level (m)		MeteoSat	2021-03-08	2021-06-07					
	230.01	Level (m)		East Coast	2007-10-26	2014-06-25	20% missing				
	230.04	Level (m)		HYDRAS 3	2017-12-15	2025-03-14	33% missing				
	230.09	Level (m)		Cello primary hg	2016-08-09	2017-08-07	6% missing				
Components					Component Period						
	U2E004	Inanda Loc. @ Nagle Dam			1967-08-01	1995-04-30					
	U2H052	Mgeni River @ Inanda Loc.			1969-02-01						
	U2H053	Pipeline from Nagle Dam @ Inanda Loc.			1969-02-01						
	U2E009	Nagle Dam @ Inanda Loc			1991-10-01						
U2R003	Mgeni River @ Albert-Falls				29:25:52	30:25:33	U20E	1653	Albert Falls Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	18.57	652.80	2188.10	218.93	219.92						
	21.63	655.86	2352.00	288.43	289.41						
	21.63	655.86	2352.00	288.14	289.12						
	21.63	655.86	2355.99	285.64	286.19						
					1975-06-09	Basin survey					
					1976-04-23						
					1983-10-01	Basin survey					
					2008-08-01	Basin survey					
Data					Data Period						
	100.00	Level (Metres)			1975-06-09	2025-03-01					
	230.00	Level (m)		MeteoSat	2006-01-01	2007-01-24					
	230.01	Level (m)		East Coast	2007-01-24	2014-06-25	5% missing				
	230.04	Level (m)		HYDRAS 3	2017-11-22	2025-01-26	15% missing				
	230.09	Level (m)		Cello primary hg	2016-08-09	2017-08-07	7% missing				
Components					Component Period						
	U2E006	Albert Falls @ Albert Falls Dam			1975-06-09						
	U2H014	Mgeni River @ Albert Falls			1975-06-09						
	U2H021	Crammond Stream @ Crammond			1981-08-20	2000-06-07					



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	3
U2R004	Mgeni River @ Inanda Mission Res				29:42:32	30:52:01	U20L	4079	Inanda Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	31.17	147.00	1472.26	245.06	258.63		1989-04-25	Basin	survey		
	31.17	147.00	1463.42	241.71	251.65		1990-10-01	Basin	survey		
	31.17	147.00	1485.03	237.40	246.56		2009-04-01	Basin	survey		
Data							Data Period				
	100.00	Level	(Metres)				1989-04-25	2025-03-01			
	108.00	Downst	Level(Metres)				2022-02-01	2023-07-01	53%	missing	
	230.00	Level	(m)	MeteoSat			2006-01-19	2006-11-29	6%	missing	
	230.01	Level	(m)	East Coast			2005-08-19	2014-06-25	17%	missing	
	230.04	Level	(m)	HYDRAS 3			2018-05-29	2023-06-30	19%	missing	
	230.09	Level	(m)	Cello primary hg			2016-10-19	2017-08-07	6%	missing	
Components							Component Period				
	U2H054	Mgeni River @ Inanda Mission Res					1989-04-25				
	U2E010	Inanda Dam					1991-08-21				
	U2H050	Pipeline from Dam to Treatment Works @ Inanda Missio					1995-06-01				
U2R005	Msunduze River @ Henley				29:37:24	30:14:49	U20H	219	Henley Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	0.00	931.15	65.80	5.83	5.87		1960-10-01	Basin	survey		
	0.00	931.15	65.80	5.51	5.51		1983-10-01	Basin	survey		
	0.00	931.15	65.70	5.41	5.41		1987-10-01	Basin	survey		
U3R001	Mdloti River @ Cotton Lands				29:35:54	31:02:34	U30A	376	Hazelmere Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	24.94	85.98	224.13	23.24	23.92		1975-11-01	Basin	survey		
	24.94	85.98	223.97	22.36	22.93		1979-10-01	Basin	survey		
	24.94	85.98	189.82	19.21	19.21		1987-10-01	Basin	survey		
	24.94	85.98	180.07	17.80	17.80		1993-06-01	Basin	survey		
	24.94	85.98	203.45	17.68	17.68		2011-08-01	Basin	survey		
	31.96	93.00	329.19	37.13	37.13		2017-10-01	Basin	survey		
Data							Data Period				
	100.00	Level	(Metres)				1975-11-01	2025-02-20			
	230.01	Level	(m)	East Coast			2006-03-03	2014-06-25	17%	missing	
	230.04	Level	(m)	HYDRAS 3			2018-06-12	2020-02-25	21%	missing	
	230.09	Level	(m)	Cello primary hg			2013-04-10	2025-02-24	54%	missing	
Components							Component Period				
	U3E004	Cotton Lands @ Hazelmere Dam					1975-11-01				
	U3H005	Mdloti River @ Cotton Lands					1975-11-01				
	U3H006	Left Pipeline from Hazelmere Dam @ Cotton Lands					1975-11-01				
	U3H007	Right Pipeline from Hazelmere Dam @ Cotton Lands					1977-01-25				



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	4
U4R001	Kleinspruit @ Lake Merthley				29:02:27	30:33:48	U40B	16	Lake Merthley		
FSL Parameters	Gauge Plate (m) 0.00	Reduced Level (m) 0.00	Surface area (ha) 0.00	Net capacity (mill m**3) 0.00	Gross capacity (mill m**3) 0.00						
Data							1999-04-20				
	100.00	Level (Metres)					Data Period				
	230.04	Level (m)	HYDRAS 3				1999-04-20	2025-01-13	13% missing		
							2022-02-08	2023-09-28	22% missing		
U6R001	Mlazi River @ Salem				29:51:41	30:43:09	U60C	781	Shongweni Dam		
FSL Parameters	Gauge Plate (m) 22.45 22.45 22.45	Reduced Level (m) 299.52 299.52 299.52	Surface area (ha) 0.00 68.40 56.90	Net capacity (mill m**3) 0.00 5.20 4.50	Gross capacity (mill m**3) 0.00 5.20 4.50		1927-01-01 1987-10-01 1990-10-01		Basin survey Basin survey		
Data											
	10.50	Rainfall (mm.)	MeteoSat (realtime)				Data Period				
	100.00	Level (Metres)					2006-09-20	2006-09-20			
	230.00	Level (m)	MeteoSat				1983-04-29	2025-03-06	11% missing		
	230.01	Level (m)	East Coast				2006-01-01	2006-10-10			
	230.04	Level (m)	HYDRAS 3				2005-08-19	2013-10-27	34% missing		
							2017-12-18	2025-03-06	30% missing		
Components											
	U6E002	Salem @ Shongweni Dam					Component Period				
	U6H007	Pipeline from Shongweni Dam @ Salem					1976-11-01				
							1983-05-01				
U7R001	Umgababa River @ Umnini				30:08:53	30:48:34	U70E	31	Umgababa Dam		
FSL Parameters	Gauge Plate (m) 9.14	Reduced Level (m) 30.48	Surface area (ha) 31.10	Net capacity (mill m**3) 1.29	Gross capacity (mill m**3) 1.29		1961-03-01		Basin survey		
Data											
	100.00	Level (Metres)					Data Period				
	230.01	Level (m)	East Coast				1961-03-01	2025-01-16	30% missing		
							2008-11-28	2009-06-08	27% missing		
Components											
	U7H011	Pipeline from Dam @ Umnini					Component Period				
	U7H010	Umgababa River @ Umnini					1961-03-08				
							1962-07-23				
U7R002	Nungwana River @ Umbumbulu				30:00:26	30:44:37	U70D	58	Nungwana Dam		
FSL Parameters	Gauge Plate (m) 16.76	Reduced Level (m) 362.71	Surface area (ha) 29.10	Net capacity (mill m**3) 2.18	Gross capacity (mill m**3) 2.28		1977-12-07		Basin survey		
Data											
	100.00	Level (Metres)					Data Period				
	230.01	Level (m)	East Coast				1977-12-07	1987-03-10			
							2008-06-25	2009-04-07			



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	5
U7R002	(continued)										
Components								Component Period			
	U7H008	Nungwana River @ Umbumbulu						1977-12-27			
	U7H009	Pipeline from Dam @ Umbumbulu						1977-12-27			
	U7E002	Umbumbulu @ Nungwana Dam						1984-01-17			
U8R001	Mzinto River @ Umzinto				30:18:41	30:35:34	U80H	51	Mzinto Dam		
Data								Data Period			
	100.00	Level	(Metres)					1984-07-16	2025-01-15	1% missing	
V1R001	Tugela River @ Rhenosterfontein				28:40:53	29:31:02	V11L	2475	Spioenkop Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	37.19	1070.48	1543.10	283.22	285.99			1971-05-17	Basin survey		
	37.12	1070.48	1543.10	283.22	285.99			1983-07-22			
	37.12	1070.48	1538.00	277.22	279.63			1983-10-01	Basin survey		
	37.12	1070.48	1531.40	270.64	272.27			2001-10-01	Basin survey		
Data								Data Period			
	100.00	Level	(Metres)					1971-05-17	2025-01-07	1% missing	
	230.01	Level (m)		East Coast				2005-08-19	2013-10-29	21% missing	
	230.11	Level (m)		UBUNTU				2013-10-17	2013-10-29		
Components								Component Period			
	V1E006	Rhenosterfontein @ Spioenkop Dam						1971-05-17			
	V1H059	River Outlet(Sluice) @ Rhenosterfontein						1974-01-13			
	V1H060	Pipeline to Ladysmith @ Rhenosterfontein						1977-11-01			
	V1H057	Tugela River @ Rhenosterfontein						1981-01-09			
V1R002	Tugela River @ Driel				28:45:49	29:17:28	V11J	1675	Driel Barrage		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	17.40	1134.00	308.40	15.09	15.33			1976-02-10	Basin survey		
	17.40	1134.00	304.70	10.44	10.44			1983-12-01	Basin survey		
	17.40	1134.00	305.10	10.39	10.39			1986-10-01	Basin survey		
	17.40	1134.00	299.10	8.69	8.69			1995-10-01	Basin survey		
Data								Data Period			
	10.00	Rainfall (mm.)						2022-10-31	2022-12-01		
	100.00	Level (Metres)						1976-02-10	2025-02-24		
	138.00	Valve Dis. (Cumecs)						1978-06-01	1985-10-01		
	149.00	Combined (cumecs)						1978-06-01	1985-09-30		
	230.01	Level (m)		East Coast				2006-01-04	2014-06-25	14% missing	
	230.04	Level (m)		HYDRAS 3				2017-11-22	2025-02-24	15% missing	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	6
V1R002	(continued)										
Components							Component	Period			
	V1E006	Rhenosterfontein @ Spioenkop Dam					1976-01-27	1980-06-08			
	V1H061	Pipeline to Jagersrust @ Driel 1					1976-08-09	1982-05-31			
	V1E008	Eendracht @ Driel Barrage					1980-06-09				
	V1H040	Tuva Canal @ Woodstock					1981-12-02				
	V1H062	Pipeline to Jagersrust @ Driel					1982-06-01				
	V1H047	Tributary of Tugela River @ Driel					1985-02-26				
	V1H058	Tugela River @ Driel					1985-05-30				
V1R003	Tugela River @ Woodstock				28:45:31	29:14:47	V11D	1160	Woodstock Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	39.98	1175.56	2920.56	381.47	381.59		1982-03-24	Basin survey			
	39.98	1175.56	2919.13	380.71	380.73		1986-05-01	Basin survey			
	39.98	1175.56	2916.23	373.44	373.45		1998-10-01	Basin survey			
	39.98	1175.56	2911.63	355.42	355.42		2014-09-01	Basin survey			
Data							Data Period				
	100.00	Level (Metres)					1983-10-31	2025-02-22			
	230.01	Level (m)	East Coast				2005-06-29	2013-10-29	26% missing		
Components							Component	Period			
	V1E008	Eendracht @ Driel Barrage					1982-03-24				
V1R004	Mnjaneni River @ Kilburn				28:35:25	29:06:15	V11C	30	Kilburn Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	55.98	1255.94	194.66	36.03	36.03		1982-01-01	Basin survey			
	55.98	1255.94	194.63	35.73	35.73		1985-09-01	Basin survey			
	55.98	1255.94	194.66	35.58	35.58		1993-07-01	Basin survey			
	55.98	1255.94	194.31	35.56	35.56		2008-05-01	Basin survey			
	55.98	1255.94	194.21	35.55	35.55		2017-12-01	Basin survey			
V1R005	Klip River @ Ladysmith Mount Pleasant				28:32:31	29:44:41	V12F	1590	Qedusizi Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	20.20	1042.20	1933.00	127.79	128.00		1997-09-11	Original			
Data							Data Period				
	100.00	Level (Metres)					1997-09-11	2025-03-02	5% missing		
	230.00	Level (m)	MeteoSat				2005-04-05	2014-01-21	75% missing		
	230.01	Level (m)	East Coast				2006-01-27	2014-01-21	13% missing		
	230.09	Level (m)	Cello primary hg				2024-05-07	2024-10-22			



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	7
V2R001	Mnyamvubu River @ Rietvlei				29:09:48	30:17:13	V20F	154	Craigie Burn Dam		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	21.33	1304.52	207.40	22.81	23.55		1962-12-01	Basin	survey		
	21.33	1304.52	207.30	22.69	23.43		1983-10-01	Basin	survey		
	21.33	1304.52	207.30	22.47	23.07		2002-10-01	Basin	survey		
Data					Data Period						
	100.00	Level (Metres)			1962-12-17		2025-03-14		1% missing		
	230.04	Level (m)	HYDRAS 3		2017-11-15		2025-03-14		25% missing		
Components					Component Period						
	0270282	Mistley Estate			1962-12-01		1969-07-31				
	V2H017	Lower Outlet from Dam @ Rietvlei			1962-12-01						
	V2H018	Highest Outlet from Dam @ Rietvlei			1962-12-01						
	V7E001	Estcourt			1962-12-01		1969-07-31				
	V2E002	Rietvlei @ Craigie Burn Dam			1969-08-01						
	V2H016	Mnyamvubu River @ Rietvlei			1982-09-08						
	V2H019	Pipeline to Breandown Farms @ Rietvlei			1983-01-15						
V2R002	Mooi River @ Mearns				29:14:47	29:58:14	V20D	932	Mearns Dam		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	6.89	1381.89	231.39	5.16	5.16		2002-06-06	Basin	survey		
Data					Data Period						
	100.00	Level (Metres)			2002-06-06		2025-03-24				
	230.01	Level (m)	East Coast		2006-04-11		2012-12-10		18% missing		
V2R003	Mooi River @ Spring Grove Dam (Rosetta)				29:19:09	29:57:56	V20D	340	Spring Grove Dam		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	26.40	1433.50	1021.80	139.20	139.46		2014-02-24	Basin	survey		
Data					Data Period						
	100.00	Level (Metres)			2014-03-10		2025-03-04				
	230.04	Level (m)	HYDRAS 3		2017-11-12		2023-06-30		14% missing		
	230.09	Level (m)	Cello primary hg		2016-10-19		2025-03-04		82% missing		
V3R001	Ngagane River @ Chelmsford				27:57:12	29:56:55	V31E	830	Ntshingwayo Dam		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	13.99	1240.51	1917.40	78.69	78.74		1961-08-01	Basin	survey		
	13.99	1240.51	1917.40	78.69	78.74		1972-10-01	Basin	survey		
	13.99	1240.51	1916.00	78.52	78.57		1979-10-01	Basin	survey		
	18.59	1245.11	3424.72	197.78	197.83		1982-12-01				
	18.59	1245.11	3439.90	198.38	198.44		1983-10-01	Basin	survey		
	18.59	1245.11	3441.20	194.56	194.59		2001-10-01	Basin	survey		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	8
V3R001	(continued)										
Data								Data Period			
	100.00	Level	(Metres)					1961-08-01	2025-03-02		
	149.00	Combined	(cumeecs)					1975-03-01	1992-06-01	80% missing	
	230.01	Level	(m)	East Coast				2005-07-25	2013-10-29	20% missing	
	230.04	Level	(m)	HYDRAS 3				2017-11-12	2024-04-24	16% missing	
	230.11	Level	(m)	UBUNTU				2013-08-05	2013-10-29		
Components								Component Period			
	0370807	Chelmsford	Dam					1961-08-01	1964-08-31		
	V3E001	Newcastle						1961-08-01	1964-08-31		
	V3H027	Ngagane River @	Chelmsford					1961-08-01			
	V3H025	Eskom Pipeline	from Dam @ Chelmsford					1962-02-15			
	V3E002	Chelmsford @	Chelmsford Dam					1964-09-01			
	V3H026	Water Affairs Pipeline	from Dam @ Chelmsford					1971-05-17			
V3R002	Ncandu River @ Newcastle				27:44:17	29:59:08	V31J	488	Amcor Dam		
Data								Data Period			
	100.00	Level	(Metres)					1979-04-19	2025-02-23	28% missing	
	230.01	Level	(m)	East Coast				2005-08-19	2013-10-29	20% missing	
V3R003	Slang River @ Zaaihoek				27:26:22	30:03:34	V31A	620	Zaaihoek Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	29.50	1729.50	1244.13	184.99	185.29			1987-12-03	Basin survey		
	29.50	1729.50	1233.65	184.55	184.79			2001-10-01	Basin survey		
	29.50	1729.50	1233.07	184.26	184.50			2018-02-01	Basin survey		
Data								Data Period			
	100.00	Level	(Metres)					1987-12-20	2025-03-02		
	230.01	Level	(m)	East Coast				2007-10-16	2014-06-25	6% missing	
	230.04	Level	(m)	HYDRAS 3				2017-11-14	2022-10-14	37% missing	
	230.06	Level	(m)	Daily				2005-06-29	2007-11-09	100% missing	
	230.09	Level	(m)	Cello primary hg				2016-08-09	2017-08-07	6% missing	
Components								Component Period			
	V3H029	Pipeline	from Dam @ Zaaihoek					1987-12-03			
	V3E005	Zaaihoek @	Zaaihoek Dam					1988-04-12			
	V3H028	Slang River @	Zaaihoek					1988-09-14			
V7R001	Boesmans River @ Wagendrift				29:02:31	29:51:11	V70C	744	Wagendrift Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	30.46	1179.58	509.60	60.00	60.00			1962-12-04	Basin survey		
	30.46	1179.58	510.30	58.81	58.81			1971-10-01	Basin survey		
	30.46	1179.58	509.10	58.50	58.50			1983-10-01	Basin survey		
	30.46	1179.58	508.40	55.90	55.90			1999-10-01	Basin survey		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	9
V7R001	(continued)										
Data								Data Period			
	100.00	Level	(Metres)					1965-09-15	2025-03-30		
	230.00	Level	(m)	MeteoSat				2005-09-01	2008-11-19	70% missing	
	230.01	Level	(m)	East Coast				2005-04-05	2014-06-25	24% missing	
	230.04	Level	(m)	HYDRAS 3				2017-11-12	2024-05-13	18% missing	
	230.09	Level	(m)	Cello primary hg				2016-08-09	2025-03-30	81% missing	
Components								Component Period			
	0268631	Estcourt	- Agr					1962-12-04	1973-10-31		
	V7E001	Estcourt						1962-12-04	1973-10-31		
	V7H020	Boesmans	River @ Wagendrift					1962-12-12			
	V7E003	Wagendrift	@ Wagendrift Dam					1973-11-01			
	V7H025	Pipeline	from Dam to Estcourt @ Wagendrift					1977-06-01			
	V7H021	Pipeline	(Chatwick) @ Wagendrift					1978-04-01			
	V7H022	Pipeline	(Parks Board) @ Wagendrift					1978-04-01			
	V7H023	Pipeline	from Dam- Basin (Drummond) @ Wagendrift					1978-04-01			
	V7H024	Pipeline	from Dam- Basin(Parks Board) @ Wagendrift					1978-04-01			
W1R001	Mhlatuze River @ Mhlatuzi				28:46:17	31:28:07	W12B	1279	Goedertrouw Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	68.94	214.00	0.00	0.00	0.00			1981-09-03			
	68.94	214.00	1197.40	315.38	315.41			1981-09-04	Basin survey		
	68.94	214.00	1197.40	315.38	315.41			1984-02-01	Basin survey		
	68.94	214.00	1185.90	304.08	304.11			1987-10-01	Basin survey		
	68.94	214.00	1193.90	301.26	301.28			1999-10-01	Basin survey		
Data								Data Period			
	100.00	Level	(Metres)					1981-09-03	2025-02-20		
	230.00	Level	(m)	MeteoSat				2006-01-01	2006-08-30		
	230.01	Level	(m)	East Coast				2005-08-19	2014-06-25	13% missing	
	230.04	Level	(m)	HYDRAS 3				2017-11-12	2021-12-16	5% missing	
	230.09	Level	(m)	Cello primary hg				2016-08-09	2025-02-24	64% missing	
Components								Component Period			
	W1E010	Eshowe	@ Eshowe Dam					1981-09-03	1983-04-14		
	W1H028	Mhlatuze	River @ Mhlatuze					1981-09-03			
	W1H030	Right Canal	from Dam @ Mhlatuze					1982-11-09			
	W1H029	Left Canal	from Dam @ Mhlatuze					1982-12-01			
	W1E011	Lormanshurst	@ Goedertrouw Dam					1983-04-15			
W1R002	Mlalazi River @ Amatikulu Eshowe				28:52:21	31:27:02	W13A	14	Eshowe Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	5.75	493.75	0.00	0.00	0.00			1978-11-30			
Data								Data Period			
	100.00	Level	(Metres)					1978-08-29	2025-01-16	13% missing	
	230.01	Level	(m)	East Coast				2005-08-19	2016-01-19	33% missing	



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Station						Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 10
W1R002	(continued)										
Components									Component Period		
	W1E010	Eshowe @ Eshowe Dam							1978-11-30		
W1R003	Nsezi Lake @ Empangeni					28:44:50	31:58:45	W12H	0		
Data									Data Period		
	100.00	Level (Metres)							1987-12-18	2025-02-28	8% missing
	230.01	Level (m)	East Coast						2007-02-14	2013-10-19	6% missing
W1R004	Msingazi Lake @ Arboretum					28:46:05	32:04:48	W12J	164		
Data									Data Period		
	100.00	Level (Metres)							1981-06-24	2025-01-08	
	230.00	Level (m)	MeteoSat						2005-09-01	2007-08-23	11% missing
	230.01	Level (m)	East Coast						2005-07-01	2013-10-29	17% missing
Components									Component Period		
	W1H011	Msingazi River @ Arboretum							1968-04-12		
	W1E009	Arboretum @ Msingasi Lake							1981-06-24		
W1R005	Lake Chubu					28:50:42	31:57:19	W12F	0		
Data									Data Period		
	100.00	Level (Metres)							2006-02-01	2025-02-23	41% missing
	230.01	Level (m)	East Coast						2007-02-14	2012-12-14	6% missing
	230.09	Level (m)	Cello primary hg						2024-02-11	2025-02-23	61% missing
W2R001	Wit Mfolozi River @ Klipfontein					27:50:19	30:48:56	W21A	340	Klipfontein Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	17.85	1090.00	298.90	18.91	18.99				1983-02-16	Basin survey	
	17.82	1090.00	298.80	18.91	18.97				1984-02-01	Basin survey	
	17.82	1090.00	295.90	18.09	18.09				1999-10-01	Basin survey	
Data									Data Period		
	100.00	Level (Metres)							1983-09-16	2025-03-14	1% missing
	230.00	Level (m)	MeteoSat						2006-05-01	2006-10-30	
	230.01	Level (m)	East Coast						2005-08-19	2014-05-30	19% missing
	230.04	Level (m)	HYDRAS 3						2018-04-11	2024-04-24	13% missing
	230.09	Level (m)	Cello primary hg						2016-08-09	2016-09-24	2% missing
	230.11	Level (m)	UBUNTU						2013-08-05	2014-08-16	6% missing
Components									Component Period		
	W2E003	Vryheid @ Prison							1983-02-16	1984-02-01	
	W2H030	White Mfolozi River @ Klipfontein							1983-08-01		
	W2E004	Klipfontein @ Klipfontein Dam							1984-02-01		
	W2H031	Pipeline from Dam to Vryheid @ Klipfontein							1993-03-01		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 11
W2R002	ULUNDI WEIR AT WHITE MFOLOZI RIVER				28:16:46	31:20:26		0		
Data							Data Period			
	100.00	Level	(Metres)				2016-07-12	2025-02-23	22% missing	
	230.09	Level (m)		Cello primary hg			2024-07-09	2025-02-23	1% missing	
W3R001	Hluhluwe River @ Farm 3/7638				28:07:18	32:10:46	W32E	723	Hluhluwe Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	26.71	80.74	0.00	0.00	0.00		1965-09-05			
	26.71	80.74	363.60	29.66	29.66		1965-09-06	Basin survey		
	26.71	80.74	363.60	29.66	29.66		1977-10-01	Basin survey		
	26.71	80.74	364.20	28.77	28.77		1984-02-01	Basin survey		
	26.71	80.74	362.40	25.89	25.89		1999-10-01	Basin survey		
Data							Data Period			
	100.00	Level	(Metres)				1965-09-05	2025-03-01		
	230.00	Level (m)		MeteoSat			2005-09-01	2007-02-23	26% missing	
	230.01	Level (m)		East Coast			2005-08-19	2014-05-08	16% missing	
	230.04	Level (m)		HYDRAS 3			2017-11-12	2023-04-22	45% missing	
	230.09	Level (m)		Cello primary hg			2013-06-05	2025-01-01	73% missing	
Components							Component Period			
	W3H022	Hluhluwe River @ Farm 3/7638					1965-09-05			
	W3E003	Farm 3/7638 @ Hluhluwe Dam					1966-02-01			
	W3H009	Pipeline from Dam @ Farm 3/7638					1973-11-05			
W3R002	St Lucia Lake @ St Lucia				27:58:11	32:22:58	W32H	0		
W4R001	Phongolo River @ Jozini				27:25:08	32:04:16	W44E	7800	Pongolapoort Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	68.24	137.20	13278.78	2501.20	2501.20		1970-04-14	Basin survey		
	68.24	137.20	13278.77	2444.54	2444.54		1984-02-01	Basin survey		
	68.24	137.20	13271.49	2388.04	2388.04		2000-10-01	Basin survey		
	68.24	137.20	13194.21	2395.24	2395.24		2018-04-01	Basin survey		
Data							Data Period			
	10.50	Rainfall (mm.)		MeteoSat (realtime)			2006-09-20	2006-09-20		
	10.51	Rainfall (mm.)		ProDesign GPRS realtime			2011-09-02	2011-10-30	8% missing	
	100.00	Level (Metres)					1970-04-14	2025-01-30		
	149.00	Combined (cumecs)					1989-07-19	1996-10-17	100% missing	
	230.00	Level (m)		MeteoSat			2006-01-01	2007-02-06	14% missing	
	230.01	Level (m)		East Coast			2005-08-19	2014-06-25	18% missing	
	230.03	Level (m)		ProDesign GPRS			2011-08-24	2011-10-30	7% missing	
	230.04	Level (m)		HYDRAS 3			2017-12-18	2023-03-29	31% missing	
	230.09	Level (m)		Cello primary hg			2013-06-05	2025-02-16	59% missing	
	230.11	Level (m)		UBUNTU			2013-08-05	2014-01-03	27% missing	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 12
W4R001	(continued)									
Components							Component	Period		
	W4E003	Jozini @ Pongolapoort Dam					1970-04-14	1992-08-01		
	W4H013	Phongolo River @ Jozini					1983-10-06			
	W4H014	Right Canal from Dam @ Jozini					1987-03-09			
	W4E006	Jozini @ Pongolapoort Dam					1992-08-03			
	W4H015	Left Canal from Dam @ Lavumisa					1995-06-08			
	W4H017	Senekal Boerdery @ Phongola Poort Dam					2002-03-01			
W4R002	Bivane River @ Paris				27:31:13	31:03:15	W41E	1597	Bivane dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	41.00	744.00	0.00	114.04	115.22		2000-12-14	Basin survey		
	41.00	744.00	0.00	114.04	115.22		2004-12-14			
Data							Data Period			
	100.00	Level	(Metres)				2000-12-14	2025-03-24		
	230.01	Level	(m)	East Coast			2005-08-19	2014-05-14	39% missing	
	230.04	Level	(m)	HYDRAS 3			2017-12-15	2025-03-14	62% missing	
	230.11	Level	(m)	UBUNTU			2013-08-05	2014-12-18	59% missing	
W4R003	Tete Pan @ Tete				27:07:51	32:16:18	W45B	0		
Data							Data Period			
	100.00	Level	(Metres)				2001-09-20	2025-03-05	41% missing	
W4R004	Nyamithi Pan @ Ndumu Nyamithi				26:53:10	32:18:36	W45B	0		
Data							Data Period			
	100.00	Level	(Metres)				2000-09-27	2025-01-22	10% missing	
W4R005	Mandla Nkunzi @ Mandla Nkunzi				26:58:38	32:18:14	W45B	0		
Data							Data Period			
	100.00	Level	(Metres)				2001-09-19	2025-01-22	43% missing	
W4R007	Lake Msenyeni				27:13:01	32:12:24	W45A	0		
Data							Data Period			
	100.00	Level	(Metres)				2004-09-30	2025-01-22	22% missing	
W7R001	Sibayi Lake @ Sibayi				27:25:11	32:41:51	W70A	60		
Data							Data Period			
	100.00	Level	(Metres)				1966-05-07	2025-04-01	21% missing	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 13
W7R001	(continued)									
Components								Component Period		
	W7E002	Sibayi @ Rhodes Camp						1976-11-20		
W7R002	Mgobezeleni Lake @ South Shore Sodwanabaai				27:32:06	32:39:37	W70A	1		
Data								Data Period		
	100.00	Level (Metres)						1991-02-07	2025-01-23	13% missing
	230.01	Level (m)	East Coast					2007-05-09	2013-10-29	3% missing
Components								Component Period		
	W7E003	Sodwanabaai Nat.Res. @ Mgobezeleni Lake						1987-03-18		
W7R003	Kosi Lake @ Kosi Maklangula Jetty				26:57:26	32:49:55	W70A	7		
Data								Data Period		
	100.00	Level (Metres)						1977-05-13	2009-10-22	23% missing
W7R004	Makhawulani Lake @ Kwamazambane Kosi Lake (Middle)				26:55:36	32:51:13	W70A	3		
Data								Data Period		
	100.00	Level (Metres)						1977-05-24	2009-10-22	
W7R005	Kosi Bay @ Kosi Bay Kosi Bay Channel				26:56:48	32:50:36	W70A	0		
Data								Data Period		
	100.00	Level (Metres)						2001-09-21	2009-10-22	1% missing
W7R006	Zilonde @ Zilonde				26:51:52	32:52:00	W70A	0		
Data								Data Period		
	100.00	Level (Metres)						2002-02-20	2025-03-05	22% missing



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Albert Falls Dam U2R003	2
Amcor Dam V3R002	8
Bivane dam W4R002	12
Chubu W1R005	10
Craigie Burn Dam V2R001	7
Driel Barrage V1R002	5
Eshowe Dam W1R002	9
Gilbert Eyles Dam T5R001	1
Goedertrouw Dam W1R001	9
Hazelmere Dam U3R001	3
Henley Dam U2R005	3
Hluhluwe Dam W3R001	11
Inanda Dam U2R004	3
Kilburn Dam V1R004	6
Klipfontein Dam W2R001	10
Kosi Bay W7R005	13
Kosi Lake W7R003	13
Lake Merthley U4R001	4
Lake Zilonde W7R006	13
Ludeke Dam T4R001	1
Makhawulani Lake W7R004	13
Mandla Nkunzi W4R005	12
Mearns Dam V2R002	7
Mgobezeleni Lake W7R002	13
Midmar Dam U2R001	1
Msenyeni W4R007	12
Msingazi Lake W1R004	10
Mzinto Dam U8R001	5
Nagle Dam U2R002	2
Nsezi Lake W1R003	10
Ntshingwayo Dam V3R001	7
Nungwana Dam U7R002	4
Nyamithi Pan W4R004	12
Pongolapoort Dam W4R001	11
Qedusizi Dam V1R005	6
Shongweni Dam U6R001	4
Sibayi Lake W7R001	12
Singisi @ Singisi T5R002	1
Spioenkop Dam V1R001	5
Spring Grove Dam V2R003	7
St Lucia Lake W3R002	11
Tete Pan W4R003	12
ULUNDI WEIR W2R002	11
Umgababa Dam U7R001	4
Wagendrift Dam V7R001	8
Woodstock Dam V1R003	6
Zaaihoek Dam V3R003	8