

**Department of Water and Sanitation**

SAFPUB V02 Output 15/11/2020

Station	Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
<b>B1R001</b>	<b>25: 53: 30</b>	<b>29: 18: 19</b>	<b>B11G</b>	<b>3579</b>	<b>Wi tbank Dam</b>	<b>1</b>
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	12. 19	1479. 49	113. 80	5. 72	5. 73	1953-11-04 Basin survey
	17. 83	1485. 13	207. 67	14. 54	14. 56	1958-12-01
	35. 39	1502. 69	1211. 04	104. 68	104. 68	1970-11-01
	35. 39	1502. 69	1211. 20	104. 02	104. 02	1983-10-01 Basin survey
Data						Data Period
	100. 00	Level (Metres)				1953-11-04 2020-01-21
	215. 00	Tot Gates' Vol (MI)	Gate Discharge	Volume		1995-09-01 2007-09-30
	230. 01	Level (m)	East Coast			2008-07-09 2017-07-17 22% missing
	230. 09	Level (m)	4 Water Cello			2012-03-14 2020-02-04 10% missing
	275. 99	Provincial % Full				2009-01-01 2009-12-01
Components						Component Period
	0515528	Olifantsriver - Sar				1953-11-04 1964-02-29
	B1H007	Pipeline to Treatment Works @ Witbank				1953-11-04
	B3E002	Loskop Nat. Res. @ Loskop Dam				1953-11-04 1958-02-05
	B1H010	Olifants River @ Witbank				1953-11-12
	B3E003	Loskop Nat. Res. @ Loskop Dam				1958-02-06 1964-02-29
	B1E001	Witbank @ Witbank Dam				1964-03-01
	B1H008	Hendrina Power Station Pipeline @ Witbank				1982-08-01
	B1H009	Duva Power Station Pipeline @ Witbank				1982-08-01
	B1H011	Pipeline to Naauwpoort Pump Station @ Naauwpoort				1982-08-01
<b>B1R002</b>	<b>25: 46: 30</b>	<b>29: 32: 46</b>	<b>B12C</b>	<b>1592</b>	<b>Mi ddel burg Dam</b>	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	27. 00	1512. 49	468. 00	48. 06	48. 43	1978-01-30 Basin survey
Data						Data Period
	100. 00	Level (Metres)				1978-01-30 2020-01-22
	215. 00	Tot Gates' Vol (MI)	Gate Discharge	Volume		1995-09-01 2013-04-01 1% missing
	230. 01	Level (m)	East Coast			2008-06-17 2017-01-03 15% missing
	230. 09	Level (m)	4 Water Cello			2012-03-20 2020-02-05 7% missing
Components						Component Period
	0515826	Middelburg - Tnk				1978-01-30 1979-04-04
	B1E001	Witbank @ Witbank Dam				1978-01-30 1979-04-03
	B1H012	Little Olifants River @ Rondebosch				1978-02-24
	B1H015	Little Olifants River @ Rondebosch				1978-02-24
	B1E003	Rondebosch @ Middelburg Dam				1979-04-04
	B1H013	Town Pipeline @ Rondebosch				1979-06-01
	B1H014	Pipeline For Railway @ Rondebosch				1979-07-01



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
B2R001	Bronkhorstspriet River @ Tweefontein				25: 53: 14	28: 43: 17	B20C	1244	Bronkhorstspriet Dam	2
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	14.32	1429.42	865.13	59.73	61.03	1949-11-26	Basin survey			
	14.32	1429.42	868.19	57.53	58.48	1976-10-01	Basin survey			
	14.32	1429.42	864.82	57.84	58.67	1983-10-01	Basin survey			
	14.32	1429.41	863.17	57.37	57.88	1996-10-01	Basin survey			
	14.32	1429.41	862.49	56.99	57.34	2009-08-01	Basin survey			
Data					Data Period					
	100.00	Level (Metres)			1949-11-26	2020-01-20				
	230.01	Level (m)	East Coast		2007-08-30	2017-07-17		31% missing		
	230.04	Level (m)	HYDRAS 3		2005-03-03	2008-03-13		18% missing		
	230.09	Level (m)	4 Water Cello		2012-09-10	2020-02-04		8% missing		
Components					Component Period					
	0514408	Bronkhorstspriet - Mun			1949-11-26	1976-09-25				
	B3E002	Loskop Nat. Res. @ Loskop Dam			1949-11-26	1958-02-05				
	B2H010	Right Canal from Dam to River @ Tweefontein			1950-01-21					
	B2H011	Escom Pipeline @ Tweefontein			1953-10-04					
	B3E003	Loskop Nat. Res. @ Loskop Dam			1958-02-06	1967-09-25				
	B2E001	Groenfontein @ Bronkhorstspriet Dam			1967-09-26					
	B2H012	Festive Farms Pipeline @ Tweefontein			1984-05-01					
B3R001	Elands River @ Rust De Winter Natr.				25: 14: 02	28: 31: 03	B31C	1133	Rust De Winter Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	17.94	1035.10	492.54	29.13	29.87	1933-11-13	Basin survey			
	17.94	1035.10	492.54	28.18	28.62	1990-10-01	Basin survey			
	17.94	1035.10	492.82	28.19	28.60	2008-08-01	Basin survey			
Data					Data Period					
	100.00	Level (Metres)			1933-11-13	2020-01-23				
	230.01	Level (m)	East Coast		2009-04-01	2017-07-19		27% missing		
	230.09	Level (m)	4 Water Cello		2012-09-07	2020-02-03		13% missing		
Components					Component Period					
	0551013	Rust Der Winter			1933-11-13	1953-05-01				
	B3H013	Left Canal from Dam @ Rust De Winter Res.			1934-06-01					
	B3H014	Elands River @ Rust De Winter Res.			1935-06-18					
	0551103	Rust De Winter - Irr			1953-05-01	1965-09-30				
	B3E004	Rust De Winter Res. @ Rust De Winter Dam			1965-10-01					
B3R002	Olifants River @ Loskop Nat. Res.				25: 25: 05	29: 21: 32	B32A	12250	Loskop Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	18.27	992.61	1700.41	182.43	198.98	1937-08-09	Basin survey			
	18.27	992.61	1682.49	176.16	189.15	1976-10-01	Basin survey			
	28.00	1001.61	2427.90	361.47	374.46	1978-12-09	Basin survey			
	28.00	1001.61	2427.70	361.51	374.31	1990-10-01	Basin survey			



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Station	Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
B3R002 (continued)						3
Data				Data Period		
100.00	Level	(Metres)		1937-08-09	2020-01-22	
230.01	Level (m)		East Coast	2007-07-09	2017-03-26	21% missing
230.03	Level (m)		ProDesign GPRS	2006-06-02	2007-07-09	
230.09	Level (m)		4 Water Cello	2012-04-17	2020-02-04	10% missing
Components				Component Period		
B3E002	Loskop Nat. Res. @ Loskop Dam			1937-08-09	1958-02-05	
B3H015	Left Canal from Loskop Dam @ Loskop Nat. Res.			1941-06-01		
B3H016	Right Canal from Loskop Dam @ Loskop Nat. Res.			1941-06-01		
B3E003	Loskop Nat. Res. @ Loskop Dam			1958-02-06		
B3H017	Olifants River @ Loskop Nat. Res.			1986-09-18		
B3R003	Bloed River @ Brakfontein	25:17:34	29:39:07	B32E	201	Rooikraal Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	4.27	1180.79	47.40	1.01	1.02	1951-04-15 Basin survey
	5.18	1181.70	65.26	1.54	1.54	1958-10-01
	5.18	1181.70	60.95	1.05	1.05	1967-10-01 Basin survey
	6.69	1183.21	87.27	2.19	2.19	1967-11-01
	6.69	1183.21	89.70	2.12	2.12	1983-10-01 Basin survey
Data				Data Period		
100.00	Level	(Metres)		1951-04-15	1980-09-30	73% missing
Components				Component Period		
B3H018	Bloed River @ Brakfontein			1951-04-15		
B3R004	Selons River @ Roodepoort	25:23:56	29:29:01	B32B	606	Roodepoort Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	11.58	1041.10	0.00	0.00	0.00	1978-07-01
Data				Data Period		
100.00	Level	(Metres)		1979-07-18	1980-04-30	41% missing
Components				Component Period		
B3H019	Selons River @ Roodepoort			1979-07-18	1988-09-21	
B3R005	Elands River @ Rhenosterkop	25:05:55	28:55:05	B31F	3646	Rhenosterkop Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	16.50	942.00	3624.20	204.58	205.82	1983-11-05 Basin survey
Data				Data Period		
100.00	Level	(Metres)		1984-11-05	2019-08-22	1% missing
230.00	Level (m)		MeteoSat	2010-01-01	2010-04-12	



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
B3R005	(continued)									4
	230.01	Level (m)	East Coast				2009-04-02	2017-03-24	45% missing	
	230.09	Level (m)	4 Water Cello				2012-11-19	2019-07-15	9% missing	
Components							Component Period			
	B3H020	Elands River @	Rhenosterkop				1984-11-02			
	B3E007	Rhenosterkop @	Rhenosterkop Dam				1984-12-01			
B4R001	Tontel doos River @	Mapochsgronde			25:16:45	29:56:32	B41C	55	Tontel doos Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	9.15	1557.55	4.50	0.18	0.19		1962-08-24	Basin survey		
	9.15	1557.55	4.50	0.17	0.17		1979-10-01	Basin survey		
	9.15	1557.55	4.70	0.19	0.19		2000-10-01	Basin survey		
Data							Data Period			
	100.00	Level (Metres)					1962-08-24	2019-12-02		
	101.73	Cor. Lev. (Metres)					2011-11-15	2015-05-17	70% missing	
	230.01	Level (m)	East Coast				2011-11-15	2017-07-20	66% missing	
	230.09	Level (m)	4 Water Cello				2012-03-14	2019-12-11	12% missing	
Components							Component Period			
	B4H016	Tontel doos River @	Mapochsgronde				1962-08-24			
	B6E001	Rozenkranz @	Ohrigstaddamnatres				1962-08-24	1968-10-21		
	B4E002	Mapochsgronde @	Tontel doos Dam				1968-10-22	1971-08-31		
	B4E004	Roossenekal					1971-09-01			
B4R002	VI ugkraal River @	Mapochsgronde			25:13:53	29:56:56	B41C	15	VI ugkraal Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	9.45	1528.58	11.30	0.43	0.45		1962-08-20	Basin survey		
	9.45	1528.58	12.20	0.45	0.46		1979-10-01	Basin survey		
	9.45	1528.58	12.40	0.44	0.44		2001-10-01	Basin survey		
Data							Data Period			
	100.00	Level (Metres)					1962-08-20	2019-12-02		
	230.01	Level (m)	East Coast				2011-11-24	2017-07-20	21% missing	
	230.09	Level (m)	4 Water Cello				2012-04-03	2019-12-11	22% missing	
Components							Component Period			
	B4H017	VI ugkraal River @	Mapochsgronde				1962-08-20			
	B6E001	Rozenkranz @	Ohrigstaddamnatres				1962-08-20	1968-10-22		
	B4E002	Mapochsgronde @	Tontel doos Dam				1968-10-22	1971-09-01		
	B4E004	Roossenekal					1971-09-01			
B4R003	Masala River @	Steynsdri ft			25:06:12	29:52:49	B41C	303	Mapochs Dam	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	5
<b>B4R003</b>	<b>(continued)</b>										
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	12.96	1082.88	7.60	0.51	0.53		1968-10-19		Basin survey		
Components									Component Period		
	B4H018	Malanslaerloop	@ Zwartkop				1968-10-19		1968-10-20		
	B4H019	Pipeline For Industry	@ Steynsdri ft				1968-10-19		1968-10-20		
	B4H020	Masala River	@ Steynsdri ft				1968-10-19		1968-10-20		
<b>B4R004</b>	<b>Waterval River @ Buffel skloof</b>										
					<b>24: 57: 19</b>	<b>30: 15: 56</b>	<b>B42F</b>	<b>281</b>	<b>Buffel skloof Dam</b>		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	22.38	1286.84	60.86	5.42	5.49		1972-04-01		Basin survey		
	22.38	1286.84	60.66	5.33	5.38		1987-10-01		Basin survey		
	22.38	1286.84	60.63	5.24	5.28		2002-10-01		Basin survey		
Data									Data Period		
	100.00	Level	(Metres)				1972-04-01		2019-12-02		
	230.01	Level (m)		East Coast			2009-05-21		2013-06-19		13% missing
	230.09	Level (m)		4 Water Cello			2014-11-13		2019-12-11		18% missing
Components									Component Period		
	B4E001	Lydenburg					1972-04-01		1972-06-30		
	B4E003	Buffel skloof	@ Buffel skloof Dam				1972-07-01				
	B4H021	Waterval River	@ Buffel skloof				1972-07-03				
<b>B4R005</b>	<b>Spitskop Spruit @ Farm Spitskop 874</b>										
					<b>24: 59: 57</b>	<b>29: 48: 14</b>	<b>B41E</b>	<b>35</b>	<b>Spitskop Dam</b>		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	7.40	1444.56	15.94	0.54	0.54		2007-03-30		Basin survey		
<b>B4R006</b>	<b>Shakwaneng River @ Farm Steelpoortdri ft (Dr Eisel en Dam</b>										
					<b>24: 52: 08</b>	<b>29: 58: 33</b>	<b>B41H</b>	<b>42</b>	<b>Dr Eisel en Dam</b>		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	21.74	958.73	17.98	0.73	0.73		2007-03-30		Basin survey		
<b>B4R007</b>	<b>Steelpoort River @ De Hoop Dam</b>										
					<b>24: 57: 28</b>	<b>29: 57: 26</b>	<b>B41E</b>	<b>2863</b>	<b>De Hoop Dam</b>		
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)						
	51.00	915.00	1694.69	348.70	351.43		2013-01-01		Basin survey		
Data									Data Period		
	100.00	Level	(Metres)				2013-01-01		2020-01-27		3% missing
	230.01	Level (m)		East Coast			2016-10-18		2017-04-16		18% missing



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
B4R007	(continued)	230.09	Level (m)	4 Water Cello			2014-09-29	2020-02-05	11% missing	6
B5R001	Klavervalley River @ Klavervalley				24:37:06	29:02:16	B51C	0	Klavervalley Dam	
Components							Component Period			
	B5E003		Klavervalley @ Klavervalley	Dam				1980-10-15		
B5R002	Olifants River @ Flag Boshielo				24:46:50	29:25:33	B51B	23555	Flag Boshielo Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	17.01	817.00	1292.10	98.83	103.38			1987-06-30	Basin survey	
	17.01	817.00	1287.70	98.99	103.96			1996-10-01	Basin survey	
	22.10	822.09	2205.24	185.13	190.10			2006-01-01	Dam wall raised	
Data								Data Period		
	100.00	Level (Metres)						1987-06-30	2020-01-24	4% missing
	230.09	Level (m)	4 Water Cello					2012-04-03	2020-02-05	11% missing
Components								Component Period		
	B5H003		Pipeline from Dam to Treatment Works @ Tambotieboom					1987-06-30		
	B5H004		Olifants River @ Tambotieboom					1987-09-24		
	B5E004		Tambotieboom @ Arabie Dam					1988-06-16		
	B5H005		Pipeline from Dam to Treatment Works @ Tambotieboom					1998-09-01		
B5R003	Motsephili River @ Lola Montes 682 KS (Lola Montes Dam)				24:49:08	29:29:24	B51B	290	Lola Montes Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	10.71	918.67	23.27	1.18	1.19			2007-03-30	Basin survey	
B5R004	Makotswane River @ Farm Coetzeesdraai 641 KS				24:44:48	29:27:28	B51C	0	Buffel sdoorn Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	18.18	845.53	59.11	3.48	3.48			2007-03-30	Basin survey	
B5R005	Ngwari tsi River @ Jane Furse (Vergel egen Dam)				24:47:45	29:50:30	B51H	208	Vergel egen Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	8.73	1296.13	40.41	1.40	1.40			2007-03-30	Basin survey	
B5R006	Ngwari tsi River @ Farm Nooitverwaght (Piet Gouws Dam)				24:34:04	29:36:31	B51H	690	Piet Gouws Dam	



Station	Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
B5R006 (continued)						7
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	16.46	849.56	92.14	3.92	3.93	2007-03-30 Basin survey
Data	100.00 230.01	Level Level (m)	(Metres) East Coast			Data Period 2009-11-23 2015-10-16 50% missing 2009-11-23 2015-11-06 53% missing
B5R007	24:12:23	29:29:46	B52C	0	Chuniespoort Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	11.64	1145.14	61.22	2.47	2.47	2007-03-30 Basin survey
B5R008	24:01:12	29:46:17	B52H	257	Molapo Dam	
B6R001	24:55:59	30:37:55	B60E	83	Ohrigstad Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	24.35	1377.27	94.20	12.34	12.89	1956-05-01 Basin survey
	24.35	1377.27	100.00	13.55	14.44	1979-10-01 Basin survey
	24.35	1377.27	100.50	13.52	14.42	1990-10-01 Basin survey
	24.35	1377.27	99.16	13.45	14.22	2002-10-01 Basin survey
Data	100.00 230.01	Level Level (m)	(Metres) East Coast			Data Period 1956-05-01 2019-12-03 1% missing 2011-06-14 2013-06-19 8% missing
Components	B6E001 B6H012 B6H011 B6H013	Rozenkranz @ Ohrigstaddamnatres Ohrigstad River @ Naauwpoort Ohrigstad River @ Naauwpoort Left Canal from Dam @ Naauwpoort				Component Period 1956-05-01 1957-02-22 1962-08-28 1971-05-01
B6R003	24:32:12	30:47:53	B60D	2169	Bluyderi vierpoort Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	44.83	664.56	248.70	55.09	55.97	1975-01-27 Basin survey
	44.83	664.56	247.41	55.17	56.06	1979-10-01 Basin survey
	44.83	664.56	249.40	54.37	55.09	1998-10-01 Basin survey
Data	100.00 230.01 230.03 230.04	Level Level (m) Level (m) Level (m)	(Metres) East Coast ProDesign GPRS HYDRAS 3			Data Period 1975-01-27 2019-12-05 2007-05-26 2017-07-20 2005-07-18 2007-03-07 2006-03-04 2007-08-14 7% missing



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	8
B6R003	(continued)										
	230.09	Level (m)		4 Water Cello			2017-09-18	2019-12-11	5% missing		
Components							Component Period				
	B6E003	Blyderiv. Poortnatres @ Blyderiv. Poort Dam					1975-01-27				
	B6H015	Pipeline from Dam @ Blyderiv. Poortnatres					1980-06-11				
	B6H014	Blyde River @ Driehoek					1989-01-31				
B7R001	Klaserie River @ Fleur De Lys				24:31:26	31:04:15	B73A	164	Klaserie Dam		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	10.65	538.00	78.70	3.25	3.28		1961-09-01		Basin survey		
	13.69	541.04	119.80	6.22	6.25		1968-04-01				
	13.69	541.04	118.80	5.76	5.78		1979-10-01		Basin survey		
	13.69	541.04	118.00	5.60	5.61		2001-10-01		Basin survey		
Data					Data Period						
	100.00	Level (Metres)			1961-09-01		2019-12-03		1% missing		
	230.03	Level (m)	ProDesign	GPRS	2011-06-13		2012-01-27		7% missing		
	230.09	Level (m)	4 Water	Cello	2011-06-13		2019-12-11		22% missing		
Components							Component Period				
	B7E001	Fleur De Lys @ Klaserie Dam					1961-09-01		1962-06-30		
	B7H024	Right Canal from Dam to River @ Fleur De Lys					1961-09-01				
	B7H022	Left Upstream Canal @ Fleur De Lys					1961-09-07				
	B7E002	Wegsteek @ Phalaborwa-Station					1962-07-01		1963-10-22		
	B7E003	Guernsey @ Klaserie Dam					1963-10-23				
B7R002	Olifants River @ Sheila				24:04:12	31:08:45	B72D	47485	Phalaborwa Barrage		
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity						
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)						
	7.24	309.14	173.31	5.40	5.46		1800-01-01		Basin survey		
	7.24	309.14	196.30	8.82	10.19		1966-04-01		Basin survey		
	7.24	309.14	196.07	8.98	10.59		1995-10-01		Basin survey		
Data					Data Period						
	100.00	Level (Metres)			1966-04-01		2005-06-30		1% missing		
	149.00	Combined (cumeecs)			1966-05-01		2005-07-01		1% missing		
Components							Component Period				
	0681209	Phalaborwa					1966-05-01		1967-01-31		
	B7E003	Guernsey @ Klaserie Dam					1966-05-01		1967-01-31		
	B7H021	Pipeline to Purification Works @ Sheila					1966-05-01				
	B7E004	Sheila @ Phalaborwa Barrage					1967-02-01				
B7R003	Ngwabi tsi River @ Tours				24:05:55	30:15:18	B72E	45	Tours Dam		





Station	Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page
<b>B7R003</b> (continued)						9
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	19.40	780.50	56.30	5.57	5.58	1992-08-07 Basin survey
	19.40	780.50	59.22	6.08	6.14	2007-03-30 Basin survey
Data	100.00	Level (Metres)				Data Period
	230.03	Level (m)	ProDesign	GPRS		1992-08-07 2019-11-07 8% missing
	230.09	Level (m)	4 Water	Cello		2011-11-25 2012-01-09 8% missing
						2011-11-25 2019-11-19 19% missing
Components						Component Period
	B7H002	Ngwabitsi River @ Tours				1960-07-31
	B7E006	Tours @ Tours Dam				1992-08-07
	B7H025	Pipeline from Dam Compensation Water @ Tours				1992-08-07
<b>B8R001</b>	<b>Groot-Letaba River @ Onverwacht</b>					
	23:56:29	29:59:05	B81A	166	Ebenezer Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	35.05	1353.55	386.10	69.58	70.72	1959-06-07 Basin survey
	35.05	1353.55	386.10	69.14	70.02	1985-10-01 Basin survey
Data	10.59	Rainfall (mm.)	CELLO_RAIN			Data Period
	100.00	Level (Metres)				2015-01-02 2017-09-18
	230.01	Level (m)	East Coast			1959-06-07 2020-02-03
	230.09	Level (m)	CELLO_UP_LEVEL			2009-11-23 2013-08-01 38% missing
						2009-11-23 2019-05-07
Components						Component Period
	0678836	Glenshiel				1959-06-07 1960-07-06
	A7E003	Pietersburg				1959-06-07 1960-07-06
	B8H039	Great Sluice (Right) @ Onverwacht				1959-06-07
	B8H041	Little Sluice (Left) @ Onverwacht				1959-06-07
	B8H064	Great-Letaba River @ Onverwacht				1960-04-01
	B8E001	Onverwacht @ Ebenezer Dam				1960-07-07
	B8H040	Pipeline to Treatment Works @ Onverwacht				1974-08-01
<b>B8R002</b>	<b>Ramadi epa River @ Waterval</b>					
	23:44:58	30:06:29	B81B	86	Hans Merensky Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)	
	2.01	798.28	43.60	1.45	1.47	1977-06-25 Basin survey
	2.01	798.28	48.40	1.22	1.23	1987-10-01 Basin survey
Data	100.00	Level (Metres)				Data Period
	230.01	Level (m)	Real time			1977-06-25 2019-07-02
	230.09	Level (m)	CELLO_UP_LEVEL			2005-03-31 2012-05-30 20% missing
						2016-03-15 2019-09-01



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
B8R002	(continued)								
Components								Component Period	
	B8H042	Politsi Pipeline @ Waterval						1977-06-25	
	B8H043	Ramadiepa River @ Waterval						1977-07-01	1980-05-28
	B8H044	Left Canal from Dam @ Waterval						1977-07-22	1980-05-28
B8R003	Politsi River @ Turksvygbult				23:49:02	30:03:21	B81B	66	Magoebaskloof Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)				
	30.22	838.92	45.20	5.01	5.02			1971-06-01	Basin survey
	30.22	838.92	45.20	4.92	4.92			1986-10-01	Basin survey
	30.22	838.92	44.30	4.84	4.84			1999-10-01	Basin survey
Data		Rainfall (mm.)	NETDL_RAIN					Data Period	
	10.59	Level (Metres)						2015-01-01	2017-09-18
	100.00							1971-06-01	2020-01-25
	230.09	Level (m)	NETDL_UP_LEVEL_1					2012-10-02	2019-03-14
Components								Component Period	
	0679139	Middelkop - Bos						1971-06-01	1976-06-30
	B8E001	Onverwacht @ Ebenezer Dam						1971-06-01	1976-06-30
	B8H045	Left Canal from Dam @ Turksvygbult						1971-07-01	
	B8H046	Politsi River @ Turksvygbult						1976-06-29	
	B8E005	Turksvygbult @ Magoebaskloof Dam						1976-07-01	
	B8H065	Sapekoe Pipeline @ Magoebaskloof Dam						1993-08-09	
B8R004	Tributary of Politsi River @ Grenshoek Forest Res				23:46:29	30:04:54	B81B	10	Vergelogen Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)				
	2.00	797.66	8.30	0.25	0.28			1977-05-03	Basin survey
Data		Rainfall (mm.)	CELLO_RAIN					Data Period	
	10.59	Level (Metres)						2015-01-01	2017-01-08
	100.00							1977-05-25	2020-10-13
	230.01	Level (m)	Real time					2005-04-23	2015-12-08
	230.09	Level (m)	CELLO_UP_LEVEL					2014-01-02	2020-05-20
Components								Component Period	
	B8H058	Pipeline to Treatment Works @ Grenshoek Forest Res						1977-07-03	1997-07-03
	B8H047	Canal from Magoebaskloof Dam @ Grenshoek Forest Res						1981-01-15	
B8R005	Groot-Letaba River @ Doornhoek (Tzaneen Dam)				23:47:57	30:09:59	B81B	650	Tzaneen Dam
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)				
	29.41	723.97	1163.70	157.97	159.59			1977-01-25	Basin survey
	29.41	723.97	1163.60	156.53	157.29			1990-10-01	Basin survey



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Station				Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 11
B8R005	(continued)								
Data							Data Period		
	10.02	Rainfall (mm.)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	100.00	Level (Metres)					1977-01-25	2020-02-03	
	20.02	Rainfall Intensity	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2058.02	THW	Davis Instrumentation				2014-06-07	2018-09-13	4% missing
	2059.02	THW	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2065.02	Air Temperature (°)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2066.02	Maximum Air Temperat	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2067.02	Minimum Air Temperat	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2069.02	Dew Point (°)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2096.02	Out Hum	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	2099.02	HI	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	230.01	Level (m)	Realtime				2004-10-08	2015-12-08	11% missing
	230.09	Level (m)	NETDLL_UP_LEVEL				2013-02-03	2020-02-03	11% missing
	302.02	Solar Current	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	500.02	Wind Direc (Deg)	Davis Instrumentation				2014-04-01	2018-09-13	9% missing
	515.02	Wind Speed (M/s)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	517.02	High Speed	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	518.02	Hi Dir	Davis Instrumentation				2014-04-01	2018-09-13	9% missing
	519.02	Wind Chill	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	520.02	Wind Run	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	712.02	Evap. [S] (mm.)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	741.02	Solar Rad. (mW/Sq.cm)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	753.02	Hi Sol Rad. (wh/Sq.m)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
	816.02	Pressure (mm)	Davis Instrumentation				2014-04-01	2018-09-13	4% missing
Components							Component Period		
	B8E003	Doornhoek @ Tzaneen Dam					1977-01-25		
	B8H048	Tzaneen Dam River Outlet @ Doornhoek					1977-01-25	1977-01-25	
	B8H050	Great-Letaba River @ Doornhoek					1977-01-25		
	B8H051	Left Canal from Great-Letaba River @ Doornhoek					1977-05-27	2007-01-22	
	B8H049	Pipeline to Treatment Works @ Doornhoek					1990-10-01		
B8R006	Broederstroom River @ Woodbush Forest Res.			23:48:51	29:57:59	B81A	14	Dap Naude Dam	
FSL Parameters	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity				
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)				
	22.86	1546.79	22.70	1.67	1.67		1960-10-01	Basin survey	
	22.86	1546.79	22.70	1.67	1.67		1977-05-06		
	24.38	1548.31	28.10	1.94	1.94		1980-02-07	Basin survey	
Data							Data Period		
	100.00	Level (Metres)					1977-05-06	2019-07-02	
	230.01	Level (m)	Realtime				2009-09-07	2013-05-23	40% missing
	230.09	Level (m)	CELL0_LEVEL				2017-01-08	2019-09-01	
	230.90	Level (m)					2018-11-06	2019-02-05	
	360.00	E01: Res inflow (MI)					1977-05-13	2010-10-31	5% missing
Components							Component Period		
	B8E004	Woodbush Forest Res @ Dap Naude Dam					1977-05-11		
	B8H053	Broederstroom @ Woodbush Forest Res					1977-05-11		
	B8H052	Pietersburg Pipeline @ Woodbush Forest Res.					1977-06-01		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 12
B8R007	Middel -Letaba River @ Sterk River				23: 16: 25	30: 24: 13	B82D	1800	Middel -Letaba Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	18.00	534.00	1926.00	171.93	184.21		1986-02-24	Basin survey		
Data								Data Period		
	10.59	Rainfall (mm.)	CELLO_RAIN				2016-04-13	2017-06-07		
	10.61	Rainfall (mm.)	4 WATER Cello (realtime)				2016-07-02	2018-09-07	85% missing	
	100.00	Level (Metres)					1986-02-24	2020-01-07		
	230.01	Level (m)	Realtime				2007-04-05	2015-12-08	8% missing	
	230.09	Level (m)	CELLO_LEVEL				2013-05-08	2019-09-01		
Components								Component Period		
	B8H054	Right Canal from Dam @ Sterk River					1986-06-24			
	B8E007	State Land @ Middle Letaba Dam					1986-08-11	1995-02-10		
	B8H055	Canal Return Flow to River @ Sterk River					1986-08-11			
	B8H056	Middle-Letaba River @ Sterk River					1986-08-11	2000-02-08		
	B8H057	Canal to Treatment Works @ Sterk River					1989-02-01	2009-01-07		
	B8E008	State Land @ Nsami Dam					1995-04-03			
	B8H071	Middel Letaba Rivier @ Middel Letaba Dam					2004-02-24			
B8R008	Groot-Letaba River @ The Junction				23: 51: 36	30: 23: 31	B81E	1392	Junction Weir	
Data								Data Period		
	10.59	Rainfall (mm.)	CELLO_RAIN				2016-07-11	2017-01-31		
	100.00	Level (Metres)					1977-02-10	2019-02-06	94% missing	
	230.09	Level (m)	RTS_UP_CELLO_LEVEL				2014-01-15	2019-02-06	20% missing	
Components								Component Period		
	B8H062	Left Canal from Dam @ The Junction					1977-02-10	1978-01-09		
B8R009	Nsama River @ Nsama				23: 15: 17	30: 46: 15	B82H	339	Nsami Dam	
FSL Parameters	Gauge Plate (m)	Reduced Level (m)	Surface area (ha)	Net capacity (mill m**3)	Gross capacity (mill m**3)					
	8.00	445.00	498.30	21.87	24.13		1995-05-09	Basin survey		
Data								Data Period		
	100.00	Level (Metres)					1995-05-09	2020-01-07		
	230.09	Level (m)	CELLO_LEVEL				2016-09-05	2020-01-07	25% missing	
Components								Component Period		
	B8E008	State Land @ Nsami Dam					1994-11-26			
	B8H066	Irrigation Canal from Nsami Dam @ Nsami					1995-04-19			
	B8H067	Inlet Canal from Middle-Letaba Dam @ Nsami					1995-04-19			
	B8H068	Pipeline from Dam @ Nsami					1995-05-01			
B8R010	Groot-Letaba River @ Jasi				23: 44: 13	30: 31: 41	B81E	1999	Jasi Weir	
Data								Data Period		
	100.00	Level (Metres)					1977-02-14	1978-05-08	12% missing	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 13
B8R010	(continued)									
Components										
	B8H063	Left Canal from Dam @ Jasi						Component Period		
								1977-02-14 1978-05-08		
B8R011	Molototsi River @ Modjadjes 424 Lt Ga-Matswe				23: 35: 08	30: 20: 58	B81G	71	Modjadji Dam	
FSL Parameters										
	Gauge Plate	Reduced Level	Surface area	Net capacity	Gross capacity					
	(m)	(m)	(ha)	(mill m**3)	(mill m**3)					
	14.00	604.93	100.52	7.20	7.41		1997-09-04	Basin survey		
Data										
	10.59	Rainfall	(mm.)	CELLO_RAIN			2015-06-29	2017-01-30		
	100.00	Level	(Metres)				1997-09-04	2019-08-19		
	230.01	Level	(m)	Realtime			2005-04-05	2014-06-13	15% missing	
	230.09	Level	(m)	ECOLOG_UP_LEVEL			2014-01-01	2019-09-02	22% missing	
Components										
	B8H070	Pipeline to Purification Works @ Modjadji Dam						Component Period		
								1997-12-01		



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Blyderivierpoort Dam	B6R003	7
Bronkhorstspuit Dam	B2R001	2
Buffelsdoorn Dam	B5R004	6
Buffelskloof Dam	B4R004	5
Chuniespoort Dam	B5R007	7
Dap Naude Dam	B8R006	11
De Hoop Dam	B4R007	5
Dr Eiselen Dam	B4R006	5
Ebenezer Dam	B8R001	9
Flag Boshielo Dam	B5R002	6
Hans Merensky Dam	B8R002	9
Jasi Weir	B8R010	12
Junction Weir	B8R008	12
Klaserie Dam	B7R001	8
Klavervalley Dam	B5R001	6
Lola Montes Dam	B5R003	6
Loskop Dam	B3R002	2
Magoebaskloof Dam	B8R003	10
Mapochs Dam	B4R003	4
Middel-Letaba Dam	B8R007	12
Middelburg Dam	B1R002	1
Modjadji Dam	B8R011	13
Molepo Dam	B5R008	7
Nsami Dam	B8R009	12
Ohrigstad Dam	B6R001	7
Phalaborwa Barrage	B7R002	8
Piet Gouws Dam	B5R006	6
Rhenosterkop Dam	B3R005	3
Roodepoort Dam	B3R004	3
Rooikraal Dam	B3R003	3
Rust De Winter Dam	B3R001	2
Spitskop Dam	B4R005	5
Tonteldoos Dam	B4R001	4
Tours Dam	B7R003	8
Tzaneen Dam	B8R005	10
Vergelogen Dam	B5R005	6
Vergelogen Dam	B8R004	10
Vluggkraal Dam	B4R002	4
Witbank Dam	B1R001	1