

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
C5H001	Riet River @ Ebani	29: 26: 51	25: 05: 17	C51K	10900		1
Data					Data Period		
	100.00 Level (Metres)				1912-10-01 1938-03-31	1% missing	
Components					Component Period		
	C5H045 Riet River @ Ebani				1924-11-14		
C5H002	Tierpoort River @ Riversford	29: 24: 16	26: 06: 28	C51E	940		
Data					Data Period		
	100.00 Level (Metres)				1913-10-09 1924-06-24	9% missing	
C5H003	Modder River @ Likatlong	29: 09: 39	26: 34: 20	C52B	1650		
Data					Data Period		
	100.00 Level (Metres)				1918-07-01 2020-09-22	37% missing	
	108.00 Downst Level (Metres)				2005-06-15 2020-09-22		
	230.01 Level (m)			East Coast	2017-01-06 2017-01-24		
	230.09 Level (m)			4 Water Cello	2016-08-05 2016-09-06		
	815.70 Temp (Deg C)			Raw logger data	2008-10-22 2012-08-29	9% missing	
	815.71 Temp (Deg C)				2011-05-01 2020-09-22	9% missing	
	815.72 Temp (Deg C)				2017-01-24 2020-09-22		
	815.73 Temp (Deg C)				2016-01-12 2019-05-09	16% missing	
Components					Component Period		
	C5H017 Modder River @ Likatlong				1954-12-05		
C5H004	Modder River @ Thongrove	28: 50: 43	26: 11: 23	C52G	4917		
Data					Data Period		
	100.00 Level (Metres)				1919-04-01 1947-11-01		
Components					Component Period		
	C5H046 Modder River @ Thongrove				1920-02-28		
C5H005	Modder River @ Mazel spoort	29: 02: 40	26: 24: 23	C52E	3088		
Data					Data Period		
	100.00 Level (Metres)				1905-02-01 1916-09-30		
C5H006	Renoster Spruit @ Bishop's Glen	28: 59: 04	26: 20: 30	C52F	697		
Data					Data Period		
	100.00 Level (Metres)				1922-11-13 1926-12-31	18% missing	



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	2
C5H007	Renoster Spruit @ Shannon Valley	29:08:39	26:19:05	C52F	348			
Data					Data Period			
	100.00 Level (Metres)				1923-10-01 2020-09-22			
	108.00 Downst Level (Metres)				2004-11-17 2020-07-15			
	815.70 Temp (Deg C) Raw logger data				2010-02-09 2020-09-22	32% missing		
C5H008	Riet River @ Riviera	29:48:45	26:12:43	C51B	593			
Data					Data Period			
	100.00 Level (Metres)				1931-04-01 1986-04-01	12% missing		
C5H009	Ospoort Spruit @ Os Poort	29:54:09	26:12:53	C51B	191			
Data					Data Period			
	100.00 Level (Metres)				1931-03-01 1986-05-11	5% missing		
C5H010	Kromel enboogspruit @ Boomplaaits	29:50:04	25:38:48	C51H	1849			
Data					Data Period			
	100.00 Level (Metres)				1931-03-01 1948-08-01			
C5H011	Ruigte Spruit @ Last Poort	29:48:43	26:20:15	C51B	260			
Data					Data Period			
	100.00 Level (Metres)				1934-01-01 1949-03-22			
C5H012	Riet River @ Kromdraai	29:39:29	25:58:22	C51C	2372			
Data					Data Period			
	100.00 Level (Metres)				1936-04-01 2020-09-29	5% missing		
C5H013	Modder River @ Perdeberg	28:59:19	25:04:59	C52L	15011			
Data					Data Period			
	100.00 Level (Metres)				1948-05-01 1956-09-30	13% missing		
Components					Component Period			
	C5H041 Modder River @ Perdeberg				1938-11-01 1956-11-01			
	C5H047 Modder River @ Perdeberg				1949-02-27 1955-02-16			
C5H014	Riet River @ Klipdri ft	29:02:33	24:35:57	C51L	31233			
Data					Data Period			
	100.00 Level (Metres)				1938-10-17 2020-09-15	52% missing		
	815.70 Temp (Deg C) Raw logger data				2007-01-15 2014-09-30			
	815.72 Temp (Deg C)				2011-11-22 2020-09-15	17% missing		
	815.73 Temp (Deg C)				2012-02-07 2019-05-15	18% missing		
	822.70 Conduct. (Speci fic) Raw Logger data				2007-01-15 2014-09-30			



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	3
C5H014	(continued)	860.70	pH	Raw Logger data							
C5H015	Modder River @ Stoomhoek				28:48:28	26:06:43	C52G	6400			
Data											
		100.00	Level (Metres)								
		108.00	Downst Level (Metres)						6% missing		
C5H016	Riet River @ Estate Biesebult				28:57:37	24:14:31	C51M	33351			
Data											
		100.00	Level (Metres)								
									3% missing		
C5H017	Modder River @ Likatlong				29:03:01	26:27:44	C52E	0			
Data											
		100.00	Level (Metres)								
									100% missing		
C5H018	Modder River @ Twee River				29:02:37	24:38:26	C52L	17315			
Data											
		100.00	Level (Metres)								
C5H019	Van Zyl Spruit @ Bloemhof				29:59:01	25:47:46	C51G	670			
C5H020	Trompsburgfontein @ Trompsburg				30:02:19	25:46:42	C51G	0			
Data											
		100.00	Level (Metres)								
									35% missing		
C5H021	Mosters Hoek-Eye @ Mostershoek				29:40:07	26:14:51	C51A	0			
Data											
		100.00	Level (Metres)								
									15% missing		
C5H022	Kgabanyane River @ Bedford				29:17:09	26:55:15	C52B	38			
Data											
		100.00	Level (Metres)								
		815.73	Temp (Deg C)								
		815.74	Temp (Deg C)						2% missing		
C5H023	Kgabanyane River @ Dankbaar				29:17:10	26:45:49	C52B	181			



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Station				Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	4
C5H023	(continued)									
Data							Data Period			
	100.00	Level	(Metres)				1983-06-04	2008-09-23	3%	missing
	108.00	Downst	Level (Metres)				1983-06-04	1999-03-22		
C5H025	Bl oem sprui t	Sewage Works Effluent @	Sunnyside	29:07:25	26:16:50	C52F		0		
C5H026	Koranna Sprui t @	Brightside		29:04:50	26:35:35	C52C		0		
C5H027	Sepane Sprui t @	Likatlong		29:09:42	26:35:50	C52C		0		
C5H028	Kgabanyane Ri ver @	Blijdschap		29:17:04	26:48:46	C52C		0		
C5H029	Little Modder Ri ver @	Kromdraai		29:14:35	26:40:18	C52B		0		
C5H030	Orange-Ri et Canal @	Rietriver Nederset.		29:09:19	24:43:26	C51K		0		
Data							Data Period			
	100.00	Level	(Metres)				1987-06-12	2020-09-15		
	815.71	Temp	(Deg C)				2018-01-30	2020-09-15	5%	missing
	815.72	Temp	(Deg C)				2018-03-13	2020-09-15	5%	missing
C5H031	Ri et Ri ver @	Kalkfontei n		29:29:22	25:11:36	C51K		10583		
C5H032	Ri et Ri ver @	Kalkfontei n		29:29:32	25:11:18	C51K		10585		
C5H033	Ri et Ri ver @	Knoffel fontei n		29:01:01	24:30:29	C51L		31533		
C5H034	Ri et Ri ver @	Knoffel fontei n		29:00:50	24:30:05	C51L		31535		
C5H035	Modder Ri ver @	Tweeri vi ere		29:01:43	24:38:18	C52L		17313		
Data							Data Period			
	100.00	Level	(Metres)				1989-08-03	2020-09-15	2%	missing
	108.00	Downst	Level (Metres)				1996-04-25	2020-09-15	1%	missing
	120.11	Instrument	level			from acoustic device	2013-07-24	2020-09-15	28%	missing
	243.11	Vel SL Inst	(M/s)			from acoustic device	2013-07-24	2020-09-15	28%	missing
	244.11	Vel SL Avg	(M/s)			from acoustic device	2013-07-24	2020-09-15	28%	missing
	250.11	X-Area	(Sq m.)			from acoustic device	2013-07-24	2020-09-15	28%	missing
	815.70	Temp	(Deg C)			Raw logger data	2008-12-03	2020-09-15	4%	missing
	815.71	Temp	(Deg C)				2008-08-14	2014-08-29		
	815.72	Temp	(Deg C)				2018-03-13	2020-09-15	5%	missing
	815.73	Temp	(Deg C)				2012-02-08	2020-09-15		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	5
C5H035	(continued)	822.70 860.70	Conduct. (Specific) pH	Raw Logger data Raw Logger data				2008-08-14 2008-08-14	2014-08-29 2010-11-30		
C5H036	Discharge Canal from Principal Canal @ Kalkfontein				29:29:47	25:13:13	C51K		0		
Data		100.00	Level (Metres)					Data Period 1990-11-01	2020-02-29		
C5H037	Left Canal from Rustfontein Dam @ Rustfontein				29:16:12	26:36:54	C52A		0		
Data		100.00 815.70 815.73	Level (Metres) Temp (Deg C) Temp (Deg C)	Raw logger data				Data Period 1955-10-19 2012-05-03 2016-01-12	2020-09-22 2020-01-07 2020-09-22	1% missing 17% missing 12% missing	
C5H038	Pipeline from Rustfontein Dam @ Rustfontein				29:16:16	26:36:59	C52A		0		
Data		194.00	Supply Flow (l/s)					Data Period 1984-10-30	1993-10-01	5% missing	
C5H039	Modder River @ Bultfontein				28:53:05	25:57:21	C52H		6317		
Data		100.00 108.00 815.70 815.71 815.72	Level (Metres) Downst Level (Metres) Temp (Deg C) Temp (Deg C) Temp (Deg C)	Raw logger data				Data Period 1970-11-24 2018-10-30 2011-07-29 2015-02-01 2016-01-12	2020-07-17 2019-05-10 2011-10-28 2020-09-15 2020-09-15	1% missing 16% missing 7% missing	
C5H040	Left Main Canal from Kalkfontein Dam @ Kalkfontein				29:29:47	25:13:12	C51K		0		
Data		100.00 815.73	Level (Metres) Temp (Deg C)					Data Period 1938-02-18 2020-07-09	2020-09-10 2020-11-11		
C5H041	Modder River @ Perdeberg				28:59:19	25:04:59	C52L		15011		
C5H042	Left Canal from Tierpoort Dam @ Tygerpoort				29:25:19	26:08:07	C51E		0		
Data		100.00 149.00	Level (Metres) Combined (cumeecs)					Data Period 1933-01-19 1924-11-01	2020-09-29 1931-11-19	11% missing 1% missing	
C5H043	Right Canal from Tierpoort Dam @ Tygerpoort				29:25:19	26:08:08	C51E		0		



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C5H043	(continued)										
Data								Data Period			
	100.00	Level	(Metres)					1933-01-19	2020-09-29	10%	missing
	815.73	Temp	(Deg C)					2019-08-02	2020-09-29		
C5H044	Bergfontein Canal from Main Canal @ Kalkfontein				29:29:47	25:13:12	C51K	0			
Data								Data Period			
	100.00	Level	(Metres)					1990-11-01	1993-04-01		
C5H045	Riet River @ Ebani				29:26:51	25:05:17	C51K	10900			
Data								Data Period			
	100.00	Level	(Metres)					1914-11-24	1936-11-20	99%	missing
C5H046	Modder River @ Thongrove				28:50:43	26:11:23	C52G	4039			
Data								Data Period			
	100.00	Level	(Metres)					1920-02-28	1925-05-31	100%	missing
C5H047	Modder River @ Perdeberg				28:59:19	25:04:59	C52L	15011			
Data								Data Period			
	100.00	Level	(Metres)					1949-02-27	1955-02-16	93%	missing
C5H048	Contact Region For Correct Data: C5H057 Influences Data				29:01:58	23:58:58	C51M	34602			
Data								Data Period			
	100.00	Level	(Metres)					1990-07-06	2020-09-17	1%	missing
	108.00	Downst Level	(Metres)					2008-01-16	2020-09-17	3%	missing
	815.70	Temp	(Deg C)	Raw logger data				2006-10-10	2015-05-24	4%	missing
	815.71	Temp	(Deg C)					2009-03-24	2020-11-05	9%	missing
	815.72	Temp	(Deg C)					2011-10-31	2020-11-05		
	815.73	Temp	(Deg C)					2011-10-31	2020-11-05	9%	missing
	822.70	Conduct.	(Specific)	Raw Logger data				2006-10-10	2015-05-24	4%	missing
	860.70	pH		Raw Logger data				2011-02-16	2015-05-24	22%	missing
C5H049	Riet River @ Philippi a				29:27:57	25:12:32	C51K	10568			
Data								Data Period			
	100.00	Level	(Metres)					1990-05-08	2020-09-10		
	815.70	Temp	(Deg C)	Raw logger data				2009-01-15	2020-11-11	6%	missing
	815.73	Temp	(Deg C)					2018-04-01	2020-11-11		
C5H050	Pipeline to Treatment Works @ Groothoek Dam				29:18:07	26:50:45	C52B	0			



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page	7
C5H050	(continued)										
Data								Data Period			
	194.00	Supply Flow (l/s)						1982-02-07 2020-01-31	1% missing		
C5H051	Riet River Treatment Works @ Riet River				29:08:50	24:44:04	C51K	0			
C5H052	Maselspoort Treatment Works @ Maselspoort				29:01:42	26:24:27	C52E	0			
C5H053	Modder River @ Glen				28:56:55	26:19:16	C52G	4542			
Data								Data Period			
	100.00	Level (Metres)						1999-11-29 2020-09-15	4% missing		
	815.70	Temp (Deg C)	Raw	Logger data				2008-10-23 2010-01-26			
	815.71	Temp (Deg C)						2011-01-01 2020-09-15	15% missing		
C5H054	Renoster Spruit @ Bishop's Glen				28:58:00	26:19:58	C52F	688			
Data								Data Period			
	100.00	Level (Metres)						1995-10-18 2020-09-15	9% missing		
	815.70	Temp (Deg C)	Raw	Logger data				2006-11-21 2018-08-02	39% missing		
	815.71	Temp (Deg C)						2008-12-12 2020-09-15	30% missing		
	815.72	Temp (Deg C)						2012-05-03 2016-08-10	35% missing		
	815.73	Temp (Deg C)						2019-08-07 2020-09-15	46% missing		
	822.70	Conduct. (Specific)	Raw	Logger data				2006-11-21 2014-05-23	75% missing		
	860.70	pH	Raw	Logger data				2013-08-08 2014-05-09			
C5H055	Novo Canal @ De Wetskom				29:37:27	26:43:00	C52A	0			
Data								Data Period			
	100.00	Level (Metres)						1999-10-21 2020-10-27			
C5H056	Modder River @ Diepwater				29:22:32	26:39:56	C52A	0			
Data								Data Period			
	100.00	Level (Metres)						2002-01-30 2020-07-28			
	108.00	Downst Level (Metres)						2002-01-30 2020-07-28			
	815.70	Temp (Deg C)	Raw	Logger data				2011-01-01 2020-10-27			
	815.71	Temp (Deg C)						2012-08-29 2020-10-27	19% missing		
	815.72	Temp (Deg C)						2018-04-04 2020-10-27			
C5H057	Riet River @ Zoutpansdri ft (Compensation Outlet)				29:01:59	23:58:58	C51M	34602			
Data								Data Period			
	100.00	Level (Metres)						2005-11-11 2020-09-17	2% missing		
	815.71	Temp (Deg C)						2012-09-05 2020-11-05	2% missing		
	815.72	Temp (Deg C)						2011-10-31 2020-11-05	3% missing		



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C5H058	Pipeline from Dam to Jagersfontein	29: 29: 46	25: 13: 20	C51J	0			
Data	194.00 Supply Flow (l/s)					Data Period 2012-03-20 2020-03-02		
C5H059	Meter at Rustfontein dam for Purifying releases	29: 16: 15	26: 36: 56	C52A	0			
Data	194.00 Supply Flow (l/s)					Data Period 2015-06-30 2020-01-31	2% missing	
C9H002	Vaal River @ St Claire	29: 02: 37	23: 50: 12	C92C	194860			
Data	100.00 Level (Metres)					Data Period 1908-01-03 1911-08-01	7% missing	
C9H004	Vaal River @ Bucklands	29: 04: 16	23: 38: 10	C92C	195329			
Data	100.00 Level (Metres)					Data Period 1929-09-13 1940-06-30	3% missing	
C9H007	Vaal River @ St Claire	29: 02: 37	23: 50: 12	C92C	194860			
Data	100.00 Level (Metres)					Data Period 1947-09-16 1977-07-11	17% missing	
Components	C9H022 Vaal River @ St Claire C9H016 Left Canal from Vaal River @ St Claire					Component Period 1959-03-04 1965-03-31 1962-12-04 1975-11-28		
C9H011	Vaal River @ Douglas	29: 02: 58	23: 46: 09	C92C	0			
C9H016	Left Canal from Vaal River @ St Claire	29: 02: 37	23: 50: 12	C92C	0			
Data	100.00 Level (Metres)					Data Period 1950-12-01 1975-11-28	41% missing	
C9H017	Bucklands Canal (Left) @ St Claire	29: 02: 37	23: 50: 11	C92C	0			
Data	100.00 Level (Metres)					Data Period 1987-02-13 2020-09-07	6% missing	
C9H019	Atherton Canal (Right) @ Atherton	29: 02: 37	23: 50: 11	C92C	0			
Data	100.00 Level (Metres)					Data Period 1988-08-26 2020-09-07		



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C9H022	Vaal River @ St Claire	29:02:37	23:50:12	C92C	194860			
Data	100.00 Level (Metres)					Data Period 1959-03-04 1965-03-31	2% missing	
C9H025	Orange-Vaal Canal @ St. Clair	29:02:46	23:50:27	C92B	0			
Data	100.00 Level (Metres)					Data Period 1994-12-07 2020-09-07	4% missing	
D1H001	Wonderboom Spruit @ Di epkl oof	31:00:04	26:21:11	D14F	2388			
Data	100.00 Level (Metres) 108.00 Downst Level (Metres) 815.72 Temp (Deg C) 815.73 Temp (Deg C)					Data Period 1912-10-01 2020-10-01 1993-06-02 1994-12-28 2019-04-18 2020-10-01 2018-03-06 2020-10-01	2% missing	
Components	D1H037 Wonderboom Spruit @ Di epkl oof					Component Period 1912-10-01		
D1H002	Orange River @ Aliwal -North	30:41:17	26:41:50	D14A	37020			
Data	100.00 Level (Metres)					Data Period 1904-01-13 1913-11-30	1% missing	
D1H003	Orange River @ Aliwal -North	30:40:42	26:42:59	D14A	36975			
Data	100.00 Level (Metres) 108.00 Downst Level (Metres) 815.70 Temp (Deg C) 815.73 Temp (Deg C)					Data Period 1907-08-11 2020-10-01 1963-08-06 2004-06-16 2009-05-20 2014-12-08 2016-08-25 2020-10-01	5% missing 56% missing	Raw logger data
Components	D1H039 Orange River @ Aliwal -North					Component Period 1990-01-01		
D1H004	Stormberg Spruit @ Mol teno	31:24:01	26:22:16	D14C	341			
Data	100.00 Level (Metres)					Data Period 1925-02-13 1981-07-01		
D1H006	Kornet Spruit @ Maghaleen	30:09:35	27:24:05	D15G	2990			
Data	100.00 Level (Metres) 815.70 Temp (Deg C) 815.71 Temp (Deg C)					Data Period 1935-11-14 2020-10-15 2009-06-11 2013-05-15 2009-06-11 2020-10-15	12% missing	Raw logger data



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D1H006	(continued)								
Components						Component	Period		
	D1H038	Kornet Spruit @ Maghaleen					1949-01-01		
D1H007		Kraai River @ Buffelsvallei		30:43:38	26:46:57	D13M	9302		
Data						Data	Period		
	100.00	Level (Metres)					1951-02-16 1969-05-31		
D1H009		Orange River @ Oranjedraai		30:20:11	27:21:31	D12A	24685		
Data						Data	Period		
	100.00	Level (Metres)					1958-11-05 2020-10-29	2% missing	
	108.00	Downst Level (Metres)					1963-11-21 2020-10-29		
	815.71	Temp (Deg C)					2011-05-01 2020-10-29		
	815.72	Temp (Deg C)					2009-10-07 2020-10-29		
	815.73	Temp (Deg C)					2012-01-18 2020-10-29		
	815.74	Temp (Deg C)					2013-08-28 2020-10-29		
D1H010		Stormberg Spruit @ Molteno		31:24:25	26:22:05	D14C	325		
Data						Data	Period		
	100.00	Level (Metres)					1962-11-22 1983-06-13	7% missing	
D1H011		Kraai River @ Roodewal		30:49:50	26:55:14	D13L	8664		
Data						Data	Period		
	100.00	Level (Metres)					1965-10-06 2020-10-01	5% missing	
	108.00	Downst Level (Metres)					1965-10-06 2020-08-06		
	815.70	Temp (Deg C)	Raw logger data				2008-03-01 2008-07-08		
	815.72	Temp (Deg C)					2009-06-24 2020-10-01	4% missing	
	815.73	Temp (Deg C)					2009-06-24 2020-08-06	4% missing	
	815.74	Temp (Deg C)					2010-02-23 2020-10-01	4% missing	
	815.75	Temp (Deg C)					2010-02-23 2020-10-01	10% missing	
D1H034		Kornet Spruit @ Maghaleen		30:09:50	27:23:45	D15G	2998		
Data						Data	Period		
	100.00	Level (Metres)					1985-11-11 2020-10-15	1% missing	
	120.11	Instrument level	from acoustic device				2013-06-26 2015-07-15		
	243.11	Vel SL Inst (M/s)	from acoustic device				2013-06-26 2015-07-15		
	244.11	Vel SL Avg (M/s)	from acoustic device				2013-06-26 2015-07-15		
	250.11	X-Area (Sq m.)	from acoustic device				2013-06-26 2015-07-15		
	815.71	Temp (Deg C)					2020-10-15 2020-11-12		
	815.72	Temp (Deg C)					2020-10-15 2020-11-12		



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 11
D1H036	Orange River @ Little Tafel berg	30: 19: 41	27: 21: 02	D12A	24548		
D1H037	Wonderboom Spruit @ Di epkl oof	31: 00: 04	26: 21: 10	D14E	2393		
Data	100.00 Level (Metres)					Data Period 1915-01-25 1950-02-24	100% missi ng
D1H038	Kornet Spruit @ Maghaleen	30: 09: 38	27: 24: 05	D15G	2987		
Data	100.00 Level (Metres)					Data Period 1947-12-16 1948-12-28	38% missi ng
D1H039	Orange River @ Aliwal -North	30: 39: 56	26: 43: 34	D14A	37062		
D2H001	Caledon River @ Jammerdri f	29: 42: 56	26: 58: 59	D23G	13421		
Data	100.00 Level (Metres) 108.00 Downst Level (Metres)					Data Period 1926-09-07 1978-10-03 1975-12-01 1976-03-29	6% missi ng
Components	D2H023 Canal from Caledon River @ Jammerdri f D2H029 Caledon River @ Jammerdri f					Component Period 1919-11-01 1978-10-03 1934-10-03 1960-04-21	
D2H002	Witte Spruit @ Egmont	30: 03: 09	27: 01: 42	D24A	310		
Data	100.00 Level (Metres)					Data Period 1933-11-16 1936-05-30	
D2H003	Leeu River @ Hobhouse	29: 31: 38	27: 08: 12	D23E	1424		
Data	100.00 Level (Metres)					Data Period 1934-11-01 1954-09-30	
D2H004	Riet Spruit @ Novo	29: 45: 11	26: 51: 57	D23H	762		
Data	100.00 Level (Metres)					Data Period 1935-03-01 1948-12-31	
D2H005	Caledon River @ Lesotho	28: 52: 59	27: 53: 24	D22C	3857		
Data	100.00 Level (Metres)					Data Period 1941-12-01 1956-01-31	
D2H012	Little Caledon River @ The Poplars	28: 41: 41	28: 14: 06	D21C	518		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 12
D2H012	(continued)									
Data								Data Period		
	100.00	Level (Metres)						1968-06-17	2020-08-26	2% missing
	108.00	Downst Level (Metres)						1974-05-19	2020-08-26	
	243.11	Vel SL Inst (M/s)	from acoustic device					2017-12-04	2019-07-01	
	244.11	Vel SL Avg (M/s)	from acoustic device					2017-12-04	2019-07-01	
	250.11	X-Area (Sq m.)	from acoustic device					2017-12-04	2019-07-01	
	815.71	Temp (Deg C)						2012-02-01	2020-08-26	55% missing
	815.72	Temp (Deg C)						2013-10-24	2020-08-26	6% missing
D2H015	Caledon River @ Lesotho				28:36:01	28:35:59	D21A	88		
D2H020	Caledon River @ Pleasant View				29:18:05	27:29:17	D22H	8339		
Data								Data Period		
	100.00	Level (Metres)						1982-07-21	2010-03-10	55% missing
	815.70	Temp (Deg C)	Raw logger data					2009-03-11	2011-09-13	
D2H021	Bloufontein Treatment Works @ Welbedacht				29:54:46	26:50:44	D24C	0		
D2H022	Caledon River @ Wilgerdraai				29:37:00	27:03:56	D23E	12852		
Data								Data Period		
	100.00	Level (Metres)						1988-11-09	2020-10-01	7% missing
	815.72	Temp (Deg C)						2010-10-24	2020-10-01	18% missing
	815.74	Temp (Deg C)						2009-07-30	2020-10-01	
D2H023	Canal from Caledon River @ Jammerdriif				29:42:56	26:58:59	D23G	0		
Data								Data Period		
	100.00	Level (Metres)						1927-10-01	1977-03-13	33% missing
D2H024	Left Canal from Egmont Dam @ Egmont				30:03:10	27:01:38	D24C	0		
Data								Data Period		
	100.00	Level (Metres)						1938-02-20	2020-10-29	
	815.71	Temp (Deg C)						2017-02-16	2020-10-29	
D2H025	Right Canal from Dam @ Beth-Aven				29:21:53	27:07:43	D23D	0		
Data								Data Period		
	100.00	Level (Metres)						1954-12-01	2020-10-01	
	815.71	Temp (Deg C)						2017-03-02	2020-10-01	



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
D2H026	Leeu River @ Beth-Aven	29: 21: 51	27: 07: 53	D23C	0	
Data	100.00 Level (Metres)			Data Period 1954-12-01	1983-06-01	35% missing
D2H027	Pipeline from Dam to Treatment Works @ Welbedacht	29: 54: 49	26: 50: 43	D24C	0	
Data	194.00 Supply Flow (l/s)			Data Period 1974-10-01	2019-12-31	
D2H028	Riet Spruit @ Knelpoort	29: 47: 03	26: 53: 21	D23J	778	
Data	100.00 Level (Metres)			Data Period 1990-11-02	2020-10-27	
D2H029	Cal edon Ri ver @ Jammerdri f	29: 42: 56	26: 58: 59	D23G	13421	
Data	100.00 Level (Metres)			Data Period 1919-10-01	1960-04-21	80% missing
D2H030	Cal edon Ri ver @ Border Post Bridge	29: 17: 53	27: 27: 14	D22L	8347	
Data	100.00 Level (Metres)			Data Period 1989-11-01	1991-03-19	21% missing
D2H031	Inlet Canal from Cal edon Ri ver @ Knelpoort	29: 46: 54	26: 53: 24	D23J	0	
Data	100.00 Level (Metres) 815.70 Temp (Deg C) Raw logger data			Data Period 1990-06-14 2008-04-01	2020-09-30 2010-10-21	
D2H032	Cal edon Ri ver @ Waterford	30: 16: 46	26: 39: 14	D24G	18587	
D2H033	Cal edon Ri ver @ Welbedacht	29: 55: 35	26: 51: 32	D24C	15273	
Data	100.00 Level (Metres) 108.00 Downst Level (Metres) 815.70 Temp (Deg C) Raw logger data 815.71 Temp (Deg C) 815.72 Temp (Deg C) 815.73 Temp (Deg C) 815.74 Temp (Deg C)			Data Period 1991-11-26 2012-10-11 2008-03-01 2009-05-13 2009-05-13 2012-10-11 2012-10-11	2020-07-28 2020-08-18 2020-09-01 2020-09-01 2014-04-25 2017-11-23 2017-07-13	14% missing 3% missing 10% missing
D2H034	Meul Spruit @ Mpharane	28: 52: 50	27: 50: 06	D22B	1082	
Data	100.00 Level (Metres)			Data Period 1991-10-17	2020-08-26	



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 14
D2H035	Cal edon Ri ver @ Fi cksburg	28: 53: 02	27: 53: 22	D22C	3857		
Data					Data Peri od		
	100.00 Level (Metres)				1991-10-17 2020-08-26	7% mi ssi ng	
	815.72 Temp (Deg C)				2013-04-16 2017-06-20	12% mi ssi ng	
	815.73 Temp (Deg C)				2013-02-14 2020-05-20	11% mi ssi ng	
D2H036	Cal edon Ri ver @ Kommi ssi e Dri ft	30: 16: 46	26: 39: 12	D24G	18547		
D2H037	Cal edon Ri ver @ Wi l gedraai	29: 36: 34	27: 03: 52	D23E	12850		
Data					Data Peri od		
	100.00 Level (Metres)				1993-12-14 2010-07-22	19% mi ssi ng	
D2H039	Cal edon Ri ver @ Cal edonsoort	28: 41: 40	28: 14: 02	D21C	0		
Data					Data Peri od		
	100.00 Level (Metres)				2004-09-30 2020-08-26		
	815.72 Temp (Deg C)				2017-06-21 2020-08-26		
	815.73 Temp (Deg C)				2017-07-13 2020-08-26		
D3H001	Seekoei Ri ver @ Haasfontei n	31: 10: 35	24: 35: 41	D32E	4155		
Data					Data Peri od		
	100.00 Level (Metres)				1911-10-01 1942-10-31	57% mi ssi ng	
D3H002	Orange Ri ver @ Bethul ie	30: 32: 14	25: 59: 08	D35H	65615		
Data					Data Peri od		
	100.00 Level (Metres)				1904-01-14 1970-07-30	1% mi ssi ng	
D3H003	Orange Ri ver @ Doornbul t Ui tspan	29: 38: 46	24: 12: 13	D33F	94765		
Data					Data Peri od		
	100.00 Level (Metres)				1913-11-01 1951-11-30		
D3H004	Orange Ri ver @ Waschbank	30: 37: 17	25: 27: 51	D34A	70849		
Data					Data Peri od		
	100.00 Level (Metres)				1903-12-14 1981-06-24	2% mi ssi ng	
D3H005	Orange Ri ver @ Vl uytj eskraal	29: 48: 53	24: 26: 15	D33D	92346		
Data					Data Peri od		
	100.00 Level (Metres)				1922-08-23 1989-06-30	30% mi ssi ng	



Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
D3H005	(continued)								
Components								Component Period	
	D3H027	Orange River @ Vuytjeskraal						1955-11-04	
D3H006	Suurberg Spruit @ Klipkraal				30:54:50	25:34:38	D35J	471	
Data								Data Period	
	100.00	Level (Metres)						1933-10-01	1937-06-30
D3H007	Seekoei River @ Welbedacht				31:03:53	24:34:20	D32F	4390	
Data								Data Period	
	100.00	Level (Metres)						1959-11-01	1974-03-04
	108.00	Downst Level (Metres)						1961-03-28	1974-02-28
D3H008	Orange River @ Marksdri ft				29:09:43	23:41:45	D33K	99316	
Data								Data Period	
	100.00	Level (Metres)						1962-08-14	2020-09-28
	108.00	Downst Level (Metres)						1969-02-26	2007-03-14
	230.09	Level (m)	4 Water Cello					2018-03-26	2019-09-02
	300.70	Logger Voltage						2010-02-25	2010-08-18
	815.70	Temp (Deg C)	Raw logger data					2010-02-25	2010-08-18
	821.70	Conduct. (Specific)	Raw logger data					2010-02-25	2010-08-18
	821.90	Conduct. (Specific)	Control conduct.	(uS/Cm)				2010-02-25	2010-08-18
	822.70	Conduct. (Specific)	Raw Logger data					2010-02-25	2010-05-19
	822.90	Conduct. (Specific)						2010-02-25	2010-05-19
Components								Component Period	
	D3H025	Orange River @ Marktsdri ft						1977-10-12	
D3H009	Orange River @ Seekoegat				30:41:19	25:45:42	D35K	69068	
Data								Data Period	
	100.00	Level (Metres)						1964-03-16	1970-11-30
D3H010	Orange River @ Seekoegat				30:41:27	25:45:48	D35H	0	
Data								Data Period	
	100.00	Level (Metres)						1980-09-24	1987-06-16
D3H011	Orange River @ Boshismanpoort				30:31:59	26:01:33	D35B	65129	
Data								Data Period	
	100.00	Level (Metres)						1971-04-26	1982-11-01

8% missing
45% missing
24% missing

5% missing

49% missing



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 16
D3H012	Orange River @ Dooren Kullen				29: 59: 28	24: 43: 13	D33A	89755		
Data								Data Period		
	100.00	Level	(Metres)					1981-12-09	2020-08-27	4% missing
	230.00	Level	(m)	MeteoSat				2005-06-26	2008-04-22	69% missing
	230.01	Level	(m)	East Coast				2007-03-08	2017-01-06	7% missing
	230.03	Level	(m)	ProDesign GPRS				2005-09-19	2006-03-06	55% missing
	230.06	Level	(m)	Daily				2006-06-13	2007-06-05	20% missing
	230.08	Level	(m)	ProDesign CSD				2007-09-05	2009-05-27	26% missing
	230.09	Level	(m)	4 Water Cello				2012-10-25	2018-08-24	9% missing
	815.71	Temp	(Deg C)					2012-06-28	2020-08-27	
D3H013	Orange River @ Roodepoort				30: 35: 05	25: 25: 15	D34A	70897		
Data								Data Period		
	100.00	Level	(Metres)					1973-11-09	2020-10-20	3% missing
	815.73	Temp	(Deg C)					2014-05-21	2020-10-20	46% missing
D3H014	Orange River @ Ph. Q. 16				29: 54: 37	24: 38: 09	D33A	90269		
D3H015	Seekoei River @ De Eerstespoort				30: 32: 05	24: 57: 45	D32J	8266		
Data								Data Period		
	100.00	Level	(Metres)					1980-06-22	2020-10-20	
	108.00	Downst	Level (Metres)					1980-06-22	2020-10-20	15% missing
	815.72	Temp	(Deg C)					2017-08-01	2020-10-20	
	815.73	Temp	(Deg C)					2018-02-22	2018-10-10	
D3H016	Orange River @ Vuytjeskraal				29: 47: 22	24: 24: 34	D33D	92474		
Data								Data Period		
	100.00	Level	(Metres)					1982-08-17	1990-09-03	2% missing
D3H017	Gariiep Dam Treatment Works @ Rui gtevallei				30: 37: 31	25: 29: 14	D34A	0		
D3H018	Orange River @ De Hoek				29: 04: 41	23: 38: 45	D33K	99413		
D3H019	Orange-Vaal Canal @ Nottingham				29: 09: 16	23: 42: 24	D33K	0		
Data								Data Period		
	100.00	Level	(Metres)					1988-07-08	2020-09-28	8% missing
	230.09	Level	(m)	4 Water Cello				2018-01-24	2020-09-28	
D3H020	Right Canal from Bethulie Dam @ Bethulie				30: 29: 17	25: 58: 25	D35A	0		
Data								Data Period		
	100.00	Level	(Metres)					1935-07-12	1975-09-12	



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
D3H021	Right Canal from Bethulie Dam @ Bethulie	30: 29: 17	25: 58: 25	D35A	0	
Data	100.00 Level (Metres)				Data Period 1935-07-08 1975-09-12	
D3H022	Gariep Dam Turbines @ Rui gteval lei	30: 37: 36	25: 30: 25	C41E	0	
Data	194.00 Supply Flow (l/s)				Data Period 1971-08-01 2020-02-29	6% missing
	194.01 Supply Flow (l/s)				1971-08-01 2020-02-29	6% missing
	194.02 Supply Flow (l/s)				1971-08-01 2020-02-29	6% missing
	194.03 Supply Flow (l/s)				1971-08-01 2020-02-29	6% missing
D3H023	Vanderkloof Dam Turbines @ Roodekop	29: 59: 26	24: 43: 43	C41E	0	
Data	181.00 Pumped Vol (M^3)				Data Period 2013-08-23 2020-02-29	
	181.01 Pumped Vol (M^3)				2013-08-23 2020-02-29	
	194.00 Supply Flow (l/s)				1976-09-08 2020-02-29	
	194.01 Supply Flow (l/s)				1976-09-08 2020-02-29	
D3H024	Vanderkloof Dam Sluice to Canal @ Roodekop	29: 59: 13	24: 43: 20	D33A	0	
Data	120.11 Instrument Level from acoustic device				Data Period 2011-10-03 2020-10-13	
	181.00 Pumped Vol (M^3)				2013-07-31 2020-02-29	
	181.01 Pumped Vol (M^3)				2013-07-31 2020-02-29	
	181.02 Pumped Vol (M^3)				2013-07-31 2020-02-29	
	181.03 Pumped Vol (M^3)				2013-07-31 2020-02-29	
	194.00 Supply Flow (l/s)				1990-11-01 2018-10-31	
	194.01 Supply Flow (l/s)				1990-11-01 2018-10-31	
	194.02 Supply Flow (l/s)				1990-11-01 2018-10-31	
	194.03 Supply Flow (l/s)				1990-11-01 2018-10-31	
	243.11 Vel SL Inst (M/s) from acoustic device				2011-10-03 2020-10-13	
	244.11 Vel SL Avg (M/s) from acoustic device				2011-10-03 2020-10-13	
	250.11 X-Area (Sq m.) from acoustic device				2011-10-03 2020-10-13	
D3H025	Orange River @ Marktsdri ft	29: 09: 43	23: 41: 45	D33K	99316	
Data	100.00 Level (Metres)				Data Period 1968-12-02 1991-02-21	61% missing
D3H026	Left Canal from Bethulie Dam @ Bethulie	30: 29: 17	25: 58: 25	D35A	0	
Data	100.00 Level (Metres)				Data Period 1930-03-31 1975-09-25	13% missing
	194.00 Supply Flow (l/s)				1922-05-14 1954-04-01	67% missing



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 18
D3H027	Orange River @ Vuytjeskraal	29:48:53	24:26:15	D33D	92346		
Data	100.00 Level (Metres)				Data Period 1948-05-01 1977-07-26	38% missing	
D3H028	Pipeline from Dam to Treatment Works @ Roodekop	29:59:49	24:44:09	D31E	0		
Data	194.00 Supply Flow (l/s)				Data Period 1990-11-01 2020-02-28		
D3H029	Pipeline from Dam to Holiday Resort @ Gari ep Dam	30:37:24	25:30:25	D34A	0		
Data	194.00 Supply Flow (l/s)				Data Period 1991-05-01 2020-02-29	6% missing	
D3H030	Pipeline to Bloemftn Treatment Works @ Gari ep Dam	30:37:24	25:30:25	D34A	0		
Data	194.00 Supply Flow (l/s)				Data Period 1991-05-01 2020-02-29		
D3H031	Pipeline to Bloemftn Fish Breeding Farm @ Gari ep Dam	30:37:24	25:30:25	D34A	0		
Data	194.00 Supply Flow (l/s)				Data Period 1991-05-01 2020-02-29	2% missing	
D3H032	Pipeline to Ovi ston Treatment Works @ Gari ep Dam	30:41:21	25:45:39	D35K	0		
Data	194.00 Supply Flow (l/s)				Data Period 1991-05-01 2020-02-29	3% missing	
D3H033	Pipeline from Dam to Leisure Resort @ Roodekop	29:59:29	24:43:52	D31E	0		
Data	194.00 Supply Flow (l/s)				Data Period 1986-09-30 2020-02-28		
D3H034	Orange-Riet Canal @ Scheiding	29:53:43	24:42:16	D33A	0		
Data	100.00 Level (Metres)				Data Period 2002-03-13 2020-10-13		
	108.00 Downst Level (Metres)				2005-07-05 2020-10-13		
	120.11 Instrument level				2005-06-07 2020-10-13	1% missing	
	243.11 Vel SL Inst (M/s)				2005-06-07 2020-10-13	1% missing	
	244.11 Vel SL Avg (M/s)				2005-06-07 2020-10-13	1% missing	
	250.11 X-Area (Sq m.)				2005-06-07 2020-10-13	1% missing	
D3H035	Ramah Canal @ Scheiding	29:54:24	24:42:05	D33A	0		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 19
D3H035	(continued)									
Data								Data Period		
	100.00	Level	(Metres)					2007-06-17	2020-10-13	
	815.70	Temp	(Deg C)	Raw logger data				2008-06-25	2020-10-13	20% missing
D4H003	Swartbas River @ Rietfontein				26:43:13	20:01:32	D42D	181		
Data								Data Period		
	100.00	Level	(Metres)					1941-10-01	1948-10-31	
D4H029	Right Canal from Leeubos Dam @ Louw Bosch				26:43:51	20:05:58	D42D	0		
Data								Data Period		
	100.00	Level	(Metres)					1949-02-02	1981-09-01	
D5H001	Renoster River @ Mullersvlei				30:38:60	20:36:60	D57B	2090		
Data								Data Period		
	100.00	Level	(Metres)					1927-02-01	1953-07-01	
D5H002	Sak River @ Lekkerleg				31:20:45	20:48:45	D55L	16979		
Data								Data Period		
	100.00	Level	(Metres)					1927-04-01	1973-06-08	37% missing
D5H003	Fish River @ Hardeheuwel				31:48:25	20:21:29	D52C	1509		
Data								Data Period		
	100.00	Level	(Metres)					1927-10-01	2020-09-08	
D5H004	Sak River @ Tabaks Fontein				31:39:03	21:45:54	D55E	5839		
Data								Data Period		
	100.00	Level	(Metres)					1907-01-01	1979-04-01	36% missing
D5H005	Riet River @ Seekoegat				31:36:27	20:39:11	D56J	6295		
Data								Data Period		
	100.00	Level	(Metres)					1929-12-01	1948-03-31	
D5H006	Muiskraal River @ Klein Fontein				31:53:31	20:14:28	D52D	414		
Data								Data Period		
	100.00	Level	(Metres)					1930-07-01	1954-03-01	



Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
D5H007	Hartbees River @ Kenhardt	29: 21: 27	21: 08: 58	D53B	3661	
Data	100.00 Level (Metres)			Data Period 1933-08-01	1947-03-31	
D5H008	Fish River @ Lot B	32: 13: 51	20: 22: 15	D52B	354	
Data	100.00 Level (Metres)			Data Period 1935-06-01	1950-05-01	
D5H009	Brak River @ Jackal I 's Dance	31: 30: 53	22: 19: 20	D55C	766	
Data	100.00 Level (Metres)			Data Period 1936-11-01	1948-04-30	
D5H010	Fish River @ Lange Kuis	31: 39: 04	20: 19: 02	D52E	2754	
Data	100.00 Level (Metres)			Data Period 1958-05-01	1960-12-31	
D5H011	Renoster River @ Bonekraal	31: 48: 56	20: 34: 41	D51B	1658	
Data	100.00 Level (Metres)			Data Period 1958-06-01	2020-09-08	12% missing
D5H012	Renoster River @ Zandkraal	31: 27: 29	20: 30: 32	D58A	8870	
Data	100.00 Level (Metres)			Data Period 1958-05-23	1969-02-28	17% missing
D5H013	Sak River @ Windhoek	31: 21: 59	21: 19: 20	D55J	13087	
Data	100.00 Level (Metres)			Data Period 1958-06-01	1998-03-31	16% missing
D5H014	Sak River @ Tontelbosch Kol k	30: 34: 19	20: 27: 02	D57A	37533	
Data	100.00 Level (Metres)			Data Period 1958-05-27	1961-04-01	
D5H015	Riet River @ Zandheuvell	31: 46: 01	20: 48: 07	D56H	5372	
D5H016	Sak River @ Hol Pads Leegte	30: 28: 29	20: 31: 09	D57C	40426	
Data	100.00 Level (Metres)			Data Period 1973-03-07	2020-09-10	2% missing



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 21
D5H017	Renoster River @ Leeuwenkui l				31: 26: 14	20: 28: 27	D58A	8938		
Data	100.00	Level	(Metres)					Data Period 1973-03-03 2020-09-08	28% missing	
D5H018	Sak River @ Williston				31: 21: 14	20: 53: 32	D55L	16835		
Data	100.00	Level	(Metres)					Data Period 1973-03-18 1988-03-02	1% missing	
D5H019	Sak River @ Tabaks Fontein				31: 39: 09	21: 46: 06	D55E	5839		
Data	100.00	Level	(Metres)					Data Period 1974-10-23 2020-09-07	3% missing	
D5H020	Right Canal from Rooi berg Dam @ Rooi Berg				29: 24: 01	21: 12: 20	D53A	0		
Data	100.00	Level	(Metres)					Data Period 1935-09-18 1974-10-01		
D5H021	Sak River @ De Kruis				31: 23: 41	20: 56: 48	D55L	17218		
Data	100.00	Level	(Metres)					Data Period 1989-10-25 2020-09-10	10% missing	
D6H001	Ongers River @ Kareeboschpan				30: 32: 53	23: 19: 09	D62A	13612		
D6H002	Brak River @ Bavers Poort				30: 07: 25	23: 34: 32	D62G	6440		
Data	100.00	Level	(Metres)					Data Period 1926-02-01 1948-06-30	3% missing	
D6H004	Canal from Smartt Syndicate Dam @ Huisfontein				30: 36: 43	23: 17: 58	D62A	0		
Data	100.00	Level	(Metres)					Data Period 1918-05-01 2020-09-11	19% missing	
D7H001	Orange River @ Hay. Q. 16. 7				28: 55: 40	22: 08: 58	D73C	350023		
D7H002	Orange River @ Prieska				29: 39: 06	22: 44: 45	D72B	337690		
Data	100.00 230.00 230.09	Level Level Level	(Metres) (m) (m)					Data Period 1959-05-01 2020-09-29 2018-03-26 2018-05-07 2016-09-02 2018-05-07	7% missing 41% missing	
										MeteoSat 4 Water Cello



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 22
D7H003	Orange River @ Kakamas	28:45:29	20:37:22	D73F	366750		
Data	100.00 Level (Metres)					Data Period 1934-01-01 2007-11-07	45% missing
D7H004	Orange River @ Kanon-Island	28:37:06	21:05:32	D73F	363160		
Data	100.00 Level (Metres)					Data Period 1971-08-07 1989-02-20	1% missing
Components	D7H010 Orange River @ Kanon-Island					Component Period 1971-08-04	
D7H005	Orange River @ Upiington	28:27:28	21:14:21	D73F	361530		
Data	100.00 Level (Metres) 230.09 Level (m) 815.70 Temp (Deg C)					Data Period 1936-10-01 2020-10-02 2016-12-29 2018-11-26 2018-05-17 2018-11-22	2% missing 7% missing 22% missing
	4 Water Cello Raw logger data						
D7H006	Orange River @ Karos Settlement	28:28:27	21:42:27	D73D	358360		
Data	100.00 Level (Metres)					Data Period 1928-07-24 1934-11-30	2% missing
D7H007	Orange River @ Mazelsfontein	29:04:16	23:37:58	D71A	295930		
Data	100.00 Level (Metres)					Data Period 1945-03-18 1989-02-26	53% missing
D7H008	Orange River @ Boegoeberg Dam Res.	29:01:48	22:11:14	D73B	343065		
Data	100.00 Level (Metres) 230.09 Level (m)					Data Period 1932-10-01 2020-09-29 2018-07-13 2019-09-03	3% missing 17% missing
	4 Water Cello						
D7H009	Orange River @ Rietfontein	29:19:41	22:19:03	D72B	340230		
Data	100.00 Level (Metres) 108.00 Downst Level (Metres)					Data Period 1950-01-01 1989-02-18 1971-04-14 1988-05-11	16% missing
D7H010	Orange River @ Kanon-Island	28:37:06	21:05:32	D73F	363100		
Data	100.00 Level (Metres) 108.00 Downst Level (Metres)					Data Period 1971-08-07 1989-02-20 1975-07-18 1988-12-19	1% missing



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description
D7H011	Orange River @ Rooi kop	29: 09: 45	23: 35: 12	D71A	295262	
D7H012	Orange River @ Irene	29: 10: 58	23: 34: 30	D71A	296170	
Data					Data Period	
	100.00 Level (Metres)				1989-02-24 2020-09-28	32% missing
	230.09 Level (m) 4 Water Cello				2013-04-19 2019-09-02	79% missing
D7H013	Left Canal from Boegoeberg Dam @ Boegoeberg Res.	29: 02: 33	22: 12: 05	D72C	0	
Data					Data Period	
	100.00 Level (Metres)				1932-10-01 2005-01-31	89% missing
	108.00 Downst Level (Metres)				2002-06-10 2002-08-12	
D7H014	Orange River @ Kakamas South Neusberg	28: 46: 29	20: 43: 21	D73F	366070	
Data					Data Period	
	100.00 Level (Metres)				1993-07-12 2020-10-01	1% missing
	215.00 Tot Gates' Vol (Ml) Gate Discharge Volume				1995-02-03 1999-01-01	1% missing
	230.09 Level (m) 4 Water Cello				2018-08-02 2018-09-27	
	815.70 Temp (Deg C) Raw logger data				2019-03-14 2019-05-23	
Components					Component Period	
	D7H015 Southern Bank Canal (Left) @ Kakamas				1993-07-12	
	D7H016 Northern Bank Canal (Right) @ Kakamas				1993-07-12	
	D7H014 Orange River @ Kakamas South Neusberg				2008-03-26	
D7H015	Southern Bank Canal (Left) @ Kakamas	28: 46: 29	20: 43: 21	D73F	0	
Data					Data Period	
	100.00 Level (Metres)				1993-08-02 2020-10-01	5% missing
D7H016	Northern Bank Canal (Right) @ Kakamas	28: 46: 29	20: 43: 21	D73F	0	
Data					Data Period	
	100.00 Level (Metres)				1993-08-15 2020-09-30	4% missing
D7H017	Left Canal from Boegoeberg Dam @ Boegoeberg Res.	29: 01: 50	22: 11: 11	D73B	0	
Data					Data Period	
	100.00 Level (Metres)				2004-09-14 2020-09-29	2% missing
	230.09 Level (m) 4 Water Cello				2018-07-13 2019-09-03	12% missing
D7H018	Neusberg Canal Iq @ Orange River	28: 46: 03	20: 44: 15		0	
Data					Data Period	
	100.00 Level (Metres)				2017-03-28 2020-09-30	
	815.70 Temp (Deg C) Raw logger data				2018-08-02 2019-03-14	



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Station		Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 24
D7H019	Neusberg Crump (Hydro Power) @ Orange Ri ver	28: 46: 06	20: 47: 31		0		
Data					Data Peri od		
	100.00 Level (Metres)				2016-09-15 2020-09-30	32% mi ssi ng	
	108.00 Downst Level (Metres)				2017-04-06 2020-09-30	23% mi ssi ng	
	230.09 Level (m)			4 Water Cello	2020-07-15 2020-09-30		
	815.70 Temp (Deg C)			Raw logger data	2018-08-02 2019-11-14	6% mi ssi ng	
	815.71 Temp (Deg C)				2018-08-02 2019-08-28		
D8H002	Orange Ri ver @ Kakamas South	28: 38: 29	20: 25: 42	D81A	460590		
Data					Data Peri od		
	100.00 Level (Metres)				1930-07-21 1989-02-20	36% mi ssi ng	
	108.00 Downst Level (Metres)				1965-10-06 1970-03-27		
D8H004	Orange Ri ver @ Onseepkans	28: 44: 09	19: 18: 20	D81E	856400		
Data					Data Peri od		
	100.00 Level (Metres)				1971-07-27 2020-10-22	4% mi ssi ng	
D8H005	Orange Ri ver @ Goodhouse	28: 53: 50	18: 14: 14	D82A	871710		
Data					Data Peri od		
	100.00 Level (Metres)				1971-08-06 1998-06-14	14% mi ssi ng	
D8H006	Orange Ri ver @ Ri chtersvel d	28: 06: 04	16: 52: 58	D82K	985390		
Data					Data Peri od		
	100.00 Level (Metres)				1971-08-09 1987-06-01	38% mi ssi ng	
D8H007	Orange Ri ver @ Korri dor	28: 29: 11	16: 41: 42	D82L	988640		
Data					Data Peri od		
	100.00 Level (Metres)				1934-01-01 2020-10-21	60% mi ssi ng	
	230.09 Level (m)			4 Water Cello	2018-04-18 2019-10-16		
	810.70 Turbi di ty (NTU)			Raw Logger data	2003-05-30 2005-08-18		
	815.70 Temp (Deg C)			Raw logger data	2003-05-30 2005-08-18		
	821.70 Conduct. (Speci fi c)			Raw logger data	2003-08-06 2005-08-18	8% mi ssi ng	
	860.70 pH			Raw Logger data	2003-05-30 2005-08-18		
D8H008	Orange Ri ver @ Pel la Mi ssi on	28: 57: 48	19: 09: 07	D81G	859920		
Data					Data Peri od		
	100.00 Level (Metres)				1979-11-05 2020-10-22	6% mi ssi ng	
	815.70 Temp (Deg C)			Raw logger data	2018-06-21 2019-10-17		
D8H009	Orange Ri vi er @ Vi ool sdri f	28: 45: 54	17: 37: 36	D82G	890050		



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Station					Latitude dd:mm:ss	Longitude dd:mm:ss	Drainage Region	Catchment Area km**2	Description	Page 25
D8H009	(continued)									
Data								Data Period		
	100.00	Level	(Metres)					1979-09-25 2020-10-20	7% missing	
D8H010	Orange River @ Vioolsdrif				28:45:40	17:43:47	D82E	888990		
Data								Data Period		
	100.00	Level	(Metres)					1958-03-28 1971-06-28	42% missing	
D8H012	Orange River @ Alexander Bay- Ernst				28:33:59	16:30:27	D82L	989640		
Data								Data Period		
	100.00	Level	(Metres)					1993-10-26 2009-06-25	30% missing	
D8H013	Left Canal from Orange River @ Vioolsdrif				28:45:40	17:43:47	D82E	0		
Data								Data Period		
	100.00	Level	(Metres)					1993-07-11 2020-10-20	2% missing	
D8H014	Orange River @ Blouputs				28:30:46	20:11:13	D81B	830790		
Data								Data Period		
	100.00	Level	(Metres)					2014-01-29 2020-10-01	15% missing	
	108.00	Downst	Level (Metres)					2014-11-26 2020-10-01		
	230.09	Level	(m)	4 Water Cello				2018-07-12 2019-03-14		
D8H015	Orange River @ Sendelingsdrif				28:04:33	16:53:54	D82J	985370		
Data								Data Period		
	100.00	Level	(Metres)					2014-05-13 2020-10-21	46% missing	
	230.00	Level	(m)	MeteoSat				2019-11-26 2019-12-04		
	230.09	Level	(m)	4 Water Cello				2016-08-31 2020-10-25		
F5H002	Kys River @ Leliefontein				30:26:25	17:58:52	F50E	233		
Data								Data Period		
	100.00	Level	(Metres)					1990-04-20 2020-09-09	18% missing	



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Atherton RCnl Athert	C9H019	8
Bergfontein Cnl fm M	C5H044	6
Bloemfontein Treatme	D2H021	12
Bloemspuit Sewage W	C5H025	4
Blouputs D8H014		25
Brak @ Bavers Poort	D6H002	21
Brak @ Jackall's Dan	D5H009	20
Bucklands LCnl StCla	C9H017	8
Caledon @ Border Pos	D2H030	13
Caledon @ Caledonspo	D2H039	14
Caledon @ Ficksburg	D2H035	14
Caledon @ Jammerdri f	D2H001	11
Caledon @ Jammerdri f	D2H029	13
Caledon @ Kommissie	D2H036	14
Caledon @ Lesotho	D2H005	11
Caledon @ Lesotho	D2H015	12
Caledon @ Pleasant V	D2H020	12
Caledon @ Waterford	D2H032	13
Caledon @ Wilgedraai	D2H037	14
Caledon @ Wilgerdraa	D2H022	12
Cnl fm Caledon R @ J	D2H023	12
Cnl fm Smartt Syndic	D6H004	21
Compensation Outlet	C5H057	7
D/S river component	C5H039	5
D/S river component	C5H049	6
D/S river component	D2H026	13
D/S river component	D2H028	13
D/S river component	D2H033	13
D/S river component	D3H012	16
D/S river component	D3H013	16
D/S river component	D7H008	22
Discharge Canal	C5H036	5
Discharge Canal	C5H037	5
Fish @ Hardeheuwel	D5H003	19
Fish @ Lange Kuil	D5H010	20
Fish @ Lot B	D5H008	20
Gari ep D Treatment W	D3H017	16
Gari ep Turbines	D3H022	17
Hartbees @ Kenhardt	D5H007	20
Inlet Cnl fm Caledon	D2H031	13
Kgabanyane @ Bedford	C5H022	3
Kgabanyane @ Bl ij dsc	C5H028	4
Kgabanyane @ Dankbaa	C5H023	3
Koranna Sp @ Brights	C5H026	4
Kornet Sp @ Maghalee	D1H006	9
Kornet Sp @ Maghalee	D1H034	10
Kornet Sp @ Maghalee	D1H038	11
Kraai @ Buffel sval le	D1H007	10
Kraai @ Roodewal	D1H011	10
Kromellenboogspuit	C5H010	2
Kys @ Leliefontein	F5H002	25
L B Irrigation Canal	C5H040	5
L B Irrigation Canal	C5H042	5
L B Irrigation Canal	D2H024	12
L Cnl fm Bethulie D	D3H026	17
L Cnl fm Boegoeberg	D7H013	23
L Cnl fm Boegoeberg	D7H017	23
L Cnl fm Orange @ Vi	D8H013	25
L Cnl fm Vaal @ St C	C9H016	8
Leeu @ Hobhouse	D2H003	11
Ltl Caledon @ The Po	D2H012	11
Ltl Modder @ Kromdra	C5H029	4
Masel spoort Treatmen	C5H052	7
Meul Sp @ Mpharane	D2H034	13
Modder @ Diepwater	C5H056	7
Modder @ Glen	C5H053	7



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Modder	@	Likatl ong	C5H003	1
Modder	@	Likatl ong	C5H017	3
Modder	@	Mazel spoort	C5H005	1
Modder	@	Perdeberg	C5H013	2
Modder	@	Perdeberg	C5H041	5
Modder	@	Perdeberg	C5H047	6
Modder	@	Stoomhoek	C5H015	3
Modder	@	Thongrove	C5H004	1
Modder	@	Thongrove	C5H046	6
Modder	@	Twee Ri ver	C5H018	3
Modder	@	Tweeri vi ere	C5H035	4
Mosters	Hoek-Eye	@ M	C5H021	3
Muiskraal	@	Kleine F	D5H006	19
Neusberg	Canal Iq	D7H018	23	
Neusberg	Crump (Hydr	D7H019	24	
Northern	Bank Cnl R	D7H016	23	
Novo Cnl	@	De Wetsko	C5H055	7
Ongers	@	Kareeboschp	D6H001	21
Orange	@	Alexander B	D8H012	25
Orange	@	Aliwal -Nort	D1H002	9
Orange	@	Aliwal -Nort	D1H003	9
Orange	@	Aliwal -Nort	D1H039	11
Orange	@	Bethulie	D3H002	14
Orange	@	Boshismanpo	D3H011	15
Orange	@	De Hoek	D3H018	16
Orange	@	Doornbul t U	D3H003	14
Orange	@	Goodhouse	D8H005	24
Orange	@	Hay. Q. 16. 7	D7H001	21
Orange	@	Irene	D7H012	23
Orange	@	Kakamas	D7H003	22
Orange	@	Kakamas Sou	D8H002	24
Orange	@	Kanon-Islan	D7H004	22
Orange	@	Kanon-Islan	D7H010	22
Orange	@	Karos Sett l	D7H006	22
Orange	@	Korridor	D8H007	24
Orange	@	Ltl Tafel be	D1H036	11
Orange	@	Marksdri ft	D3H008	15
Orange	@	Marktsdri ft	D3H025	17
Orange	@	Mazelsfonte	D7H007	22
Orange	@	Neusberg	D7H014	23
Orange	@	Onseepkans	D8H004	24
Orange	@	Oranjedraai	D1H009	10
Orange	@	Pella Missi	D8H008	24
Orange	@	Ph. Q. 16	D3H014	16
Orange	@	Prieska	D7H002	21
Orange	@	Richtersvel	D8H006	24
Orange	@	Rietfontein	D7H009	22
Orange	@	Rooi kop	D7H011	23
Orange	@	Seekoegat	D3H009	15
Orange	@	Seekoegat	D3H010	15
Orange	@	Upington	D7H005	22
Orange	@	Vioolsdri f	D8H010	25
Orange	@	Vluytj eskra	D3H005	14
Orange	@	Vluytj eskra	D3H016	16
Orange	@	Vluytj eskra	D3H027	18
Orange	@	Waschbank	D3H004	14
Orange	Ri vi er	@ Vioo	D8H009	24
Orange-Riet	Cnl @ Ri	C5H030	4	
Orange-Vaal	Cnl @ No	D3H019	16	
Orange-Vaal	Cnl @ St	C9H025	9	
Oranje-Riet	Canal	D3H034	18	
Ospoort	Sp @ Os Poor	C5H009	2	
Pipe fm D to Holiday		D3H029	18	
Pipe fm D to Leisure		D3H033	18	
Pipe fm D to Treatme		D3H028	18	
Pipe to Bloemftn Fis		D3H031	18	



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Pipe to Bloemftn Tre	D3H030	18
Pipe to Municipality	C5H058	8
Pipe to Ovisston Trea	D3H032	18
Pipe to Purification	C5H038	5
Pipe to Purification	D2H027	13
Pipe to Treatment Wo	C5H050	6
Purifying	C5H059	8
R Cnl fm Leeubos D	D4H029	19
R Cnl fm Rooiberg D	D5H020	21
R Cnl from Bethulie	D3H020	16
R Cnl from Bethulie	D3H021	17
RB Irrigation Canal	C5H043	5
RB Irrigation Canal	D2H025	12
Ramah Canal	D3H035	18
Renoster @ Bonekraal	D5H011	20
Renoster @ Leeuwenku	D5H017	21
Renoster @ Mul lersvl	D5H001	19
Renoster @ Zandkraal	D5H012	20
Renoster Sp @ Bishop	C5H006	1
Renoster Sp @ Bishop	C5H054	7
Renoster Sp @ Shanno	C5H007	2
Riet @ Ebani	C5H001	1
Riet @ Ebani	C5H045	6
Riet @ Estate Biesie	C5H016	3
Riet @ Kalkfontein	C5H031	4
Riet @ Kalkfontein	C5H032	4
Riet @ Klipdri ft	C5H014	2
Riet @ Knoffel fontei	C5H033	4
Riet @ Knoffel fontei	C5H034	4
Riet @ Kromdraai	C5H012	2
Riet @ Ri vi era	C5H008	2
Riet @ Seekoei gat	D5H005	19
Riet @ Zandheuvel	D5H015	20
Riet @ Zoutpansdri ft	C5H048	6
Riet R Treatment Wor	C5H051	7
Riet Sp @ Novo	D2H004	11
Ruigte Sp @ Last Poo	C5H011	2
Sak @ De Krui s	D5H021	21
Sak @ Hol Pads Leegt	D5H016	20
Sak @ Lekkerleg	D5H002	19
Sak @ Tabaks Fonte in	D5H004	19
Sak @ Tabaks Fonte in	D5H019	21
Sak @ Tontelbosch Ko	D5H014	20
Sak @ Williston	D5H018	21
Sak @ Windhoek	D5H013	20
Seekoei @ De Eerstep	D3H015	16
Seekoei @ Haasfontei	D3H001	14
Seekoei @ Wel bedacht	D3H007	15
Sendelingsdri f	D8H015	25
Sepane Sp @ Li katlon	C5H027	4
Southern Bank Cnl L	D7H015	23
Stormberg Sp @ Mol te	D1H004	9
Stormberg Sp @ Mol te	D1H010	10
Suurberg Sp @ Kl ipkr	D3H006	15
Swartbas @ Rietfonte	D4H003	19
Tierpoort @ Ri versfo	C5H002	1
Trompsburgfontein	C5H020	3
Vaal @ Bucklands	C9H004	8
Vaal @ Douglas	C9H011	8
Vaal @ St Claire	C9H002	8
Vaal @ St Claire	C9H007	8
Vaal @ St Claire	C9H022	9
Van Zyl Sp @ Bloemho	C5H019	3
Vanderkloof D Sl uice	D3H024	17
Vanderkloof Turbines	D3H023	17
Witte Sp @ Egmont	D2H002	11



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Wonderboom Sp @ Di ep D1H001
Wonderboom Sp @ Di ep D1H037

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