

APPENDIX B
SUMMARY OF AVAILABLE FLOOD RECORD DATA

Sheet1

Year	Inflow Von Bach (CAWMP)	Inflow Von Bach DWA (Mlan)	Spill Von Bach (actual)	Synthetic Spill Record Von Bach (Mlan)	Inflow Swakoppoort (DWA Mlan) VBD present)	Inflow Swakoppoort Dam (CAWMP) (assumes VBD present)	Contribution to Flow from Catchment between Von Bach and Swakoppoort (DWA Mlan)	Synthetic Record Volume Swakoppoort (DWA Mlan)	Actual Spill	Dorstrivier Synthetic Record DWA (Mlan)	Contribution from catchment between Swakoppoort and Dorstrivier	Dorstrivier Gauging Station	Westfahlenhof gauging station	Khan River Amelb Gauge	Khan River @ confluence
1923	0.05														
1924	45.57				57.41	0	0	0	0	0.52	0			0	0
1925	0				0.37	0	0	0.37	0	19.86	19.86			1.82	0.15
1926	14.92	7.37			8.04	8	8	23.9	8	46.42	46.42			1.07	0
1927	39.69	11.45			18.44	23.9	23.9	1.68	0	3.02	3.02			0.27	0
1928	0.53	1.97			2.1	1.68	1.68	0	0	0	0			0	0
1929	1.29	0			0	0	0	0	0	0	0			0	0
1930	34.3	10.26			37.96	45.6	45.6	2.09	5.4	69.84	64.44			2.05	0.34
1931	4.09	5.39			2.79	2.09	2.09	0.57	0	8.96	8.96			0	0
1932	0	0.5			0.57	0	0.57	0	0	0.77	0.77			0	0
1933	243.59	166.73			318.07	253.8	123.5	198.2	198.2	387.6	189.4			247.7	134.8
1934	0	0			0	0	0	0	0	0	0			0	0
1935	0.81	1.49			0.28	0.28	0.28	0	0	0.6	0.6			2.38	0.46
1936	8.46	4.77			16.47	3.9	3.9	30.7	0	10.78	10.78			0.24	0
1937	24.35	18.11			30.7	21.8	30.7	12.1	0	64.19	64.19			2.98	1.44
1938	7.88	7.33			12.1	18.22	12.1	1.94	0	25.07	25.07			1.12	0.78
1939	3.93	6.09			3.13	1.94	1.94	0.6	0	9.44	9.44			1.48	0.03
1940	2.61	9.09			0.6	0.6	0.6	0	0	11.09	11.09			0	0
1941	17.12	27.01			56.08	50.1	50.1	32.1	9.7	98.34	88.64			3.18	0.96
1942	3.63	11.99			8.99	3.99	3.99	0.45	0	19.33	19.33			1.09	0
1943	47.92	50.15			24.28	32.1	32.1	2.49	27	126.85	99.85			6.45	2.74
1944	0	2.47			0.19	0.45	0.45	0.13	0	2.24	2.24			0	0
1945	13.33	13.33			6.57	2.49	2.49	55.9	27.5	18.88	18.88			0.42	0
1946	30.69	30.69			49.76	55.9	55.9	1.66	0	103.25	75.75			3.47	1.11
1947	9.23	9.22			4.5	1.66	1.66	47.7	0	12.72	12.72			0	0
1948	28.75	28.75			36.94	47.7	47.7	65.8	29.9	86.59	56.66			3.22	0.91
1949	20.93	20.93			85.02	65.8	65.8	0.13	54.5	72.76	18.26			49.5	26.33
1950	2	2			0.13	0.13	0.13	0.88	0	0	0			2.21	0.45
1951	3.73	3.73			0.88	0.88	0.88	0.23	0	4.92	4.92			0.38	0
1952	20.85	20.85			37.75	37.2	37.2	52	4	70.87	66.87			4.48	1.88
1953	19.2	19.2			47.51	52	52	1.77	38	65.25	27.25			6.47	1.92
1954	1.87	1.87			16.08	16.1	16.1	2.23	0	3.8	3.8			0.17	0
1955	16.88	16.88			13.26	14.1	14.1	1.56	0	42.4	42.4			5.94	1.77
1956	2.75	2.75			0.85	0.88	0.88	0.88	0	32.32	32.32			3.03	0.72
1957	11.15	11.1			13.24	3.7	3.7	1.86	0	8.07	8.07			0.79	0
1958	6.09	6.09			1.86	1.86	1.86	2.93	0	5.53	5.53			0	0
1959	1.94	1.94			2.93	2.93	2.93	74.1	0	17.86	17.86			6.36	1.98
1960	6.94	13.29			110.48	74.1	74.1	1.77	74.9	17.57	17.57			0.08	0
1961	5.4	11.81			1.77	1.77	1.77	5.87	0	213.88	138.98			28.86	11.76
1962	73.99	74.31			1.95	1.95	1.95	5.87	0	12.3	12.3			0.501	0
1963	4.1	8.68			4.95	4.95	4.95	5.34	0	16.55	16.55			1.15	0
1964	7.42	7.43			14.04	14.04	14.04	29.85	0	18.28	18.28			6.4	1.83
1965	9.49	9.49			18.19	18.19	18.19	33.2	8.3	84.84	76.34			2.13	0.33
1966	22.69	28.7			40.1	40.1	40.1	2.72	20.9	58.77	37.87			2.43	0.39
1967	17.44	20.11			5.94	5.94	5.94	1.46	0	5.15	5.15			0.19	0
1968	2.26	5.03			2.72	2.72	2.72	2.59	0	7.47	7.47			0.03	0
1969	1.58	4.85			1.46	1.46	1.46		0						

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1970	30.86	30.86	0	21.9	58.8	52.92	36.9	16.8		102.94	86.14		42.925	12.92	4.69
1971	30.57	30.57	0	18.4	61.9	34.99	43.5	39.8		83.9	44.1		34.986	1.25	0.21
1972	10.57	10.57	0	0	0.96	3.1	0.96	0		16.4	16.4		3.098	0	0
1973	119.5	119.5	95.159	106.7	182.5	88.71	75.8	141		279.69	138.69		157.018	38.05	15.19
1974	7.58	7.58	0	0	0.84	0.42	0.84	0		9.11	9.11		0.416	0	0
1975	29.61	29.61	0	17	54.5	38.47	37.5	28.9		82.9	54		42.742	16.33	6.16
1976	5.22	5.22	6.032	0	0	1.59	0	0		8.06	8.06		1.593	0	0
1977	18.47	18.47	0	2	4.8	6.15	2.8	0		0	0		0	0.8	0
1978	3.4	3.4	0	0	1.02	0.15	1.02	0		0	0		0	1.9	0.25
1979	7.6	7.6	0	0	3.13	2.13	3.13	0		0.199	0.2		0.356	3	0.8
1980	3.54	3.54	0	0	0.43	0.79	0.43	0		0	0		0	0	0
1981	2.39	2.39	0	0	2.58	2.58	2.58	0		0	0		0	0	0
1982	18.41	18.41	0	0	19.2	2.83	19.2	0		0	0		0.042	1.19	0
1983	15.32	13.97	0	3	36	18.06	33	0		0	0.265		0.262	0.83	0
1984	9.92	9.22	0	0	9.9	27.7	9.9	0		5	19.028		1.119	88.16	45
1985	22.19		0	0	0	29.07	0	0		0	0		0.128	2.66	0
1986	7.15		0	0	14.5	14.5	0	0		0	0		0	0.02	0
1987	22.74		0	0	51.93	51.93	0	23.644		0	16.202		27.053	7.948	0
1988	25		0	0	25.36	25.36	0	11.484		0	0		9.694	0.381	0
1989	4.07		0	0	6.74	6.74	0	0		0	0		0.856	20.343	0
1990	6.9		0	0	0.59	0.59	0	0		0	0		0	0.265	0
1991	0.35		0	0	1.98	1.98	0	0		0	28.348		0.119	0.058	0
1992	8.68		0	0	19.08	19.08	0	0		0	59.555		0.009	12.231	0
1993	16.08		0	0	10.71	10.71	0	0		0	2.665		0.059	15.207	0
1994	0		0	0	0.22	0.22	0	0		0	0		0	0	0
1995	1.35		0	0	2.162	2.162	0	0		0	0		0	0	0