

Annexure 1B:

Summary of daily streamflow data from the HYDSTRA database

Table 1: Summary of daily streamflow data availability from the HYDSTRA database

Station number	Station name	Region	Start date	End date	No of years in record	Daily Water level data		Daily Discharge data	
						Number of missing values	% Missing values	Number of missing values	% Missing values
1B1	Shire River at Liwonde	South	Nov-48	Apr-10	61	11903	53%	219	1%
1C1	Lilongwe River at Lilongwe	South	Nov-11	Dec-04	54	14086	71%	6787	34%
1E1	Mwamphanzi River at Mpokonyola (Nsanje)	South	Dec-51	Mar-02	50	8651	47%	1741	9%
1E2	Likhubula River at Namira	South	Nov-80	Oct-98	8	1423	22%	1614	54%
1E17	Nankhunda River at Zingwangwa (Soche)	South	Nov-90	Jan-99	32	1614	54%	4041	35%
1E19	Mudi River at Sunnyside	South	Nov-61	Oct-93	18	10942	94%	1423	22%
1F1	Mapelera River at Mafumbi (Nyali)	South	Jun-82	Dec-05	24	1053	12%	1053	12%
1F2	Thangadzi East River at Gooke	South	Apr-53	Dec-04	18	14132	75%	1660	25%
1F17	Livunzu River at Malata	South	Nov-78	Feb-97	52	1660	25%	7779	41%
1K1	Mwanza River at Tomali	South	Nov-51	Oct-97	58	8362	50%	1595	8%
1K3	Mwanza River at Old Customs Road	South	Nov-70	Aug-08	46	4239	31%	1883	11%
1L12	Shire River at Chikwawa	South	Nov-76	Nov-09	38	1839	15%	4239	31%
1M1	Mkurumadzi River at Mlongola (Mlongola)	South	Nov-80	Aug-08	33	3294	32%	1839	15%
1M4	Mkurumadzi River at Majete Camp	South	Nov-85	Oct-87	28	525	72%	3294	32%
1O1	Lisungwe River at Moffat (Moffat)	South	Dec-51	Oct-05	2	9172	47%	525	72%
1P2	Shire River at Matope	South	Nov-52	Dec-05	54	971	5%	12814	65%
1P6	Shire River at Zalewa	South	Nov-87	Sep-08	53	3461	45%	971	5%
1R3	Rivi-Rivi River at Balaka	South	Nov-52	Oct-04	21	1405	7%	3461	45%
1R18	Mpamadzi River at Gumbu	South	Nov-63	Jul-08	45	621	4%	621	4%
1R19	Mpira River at Gomeza	South	Nov-76	Apr-08	31	854	7%	854	7%

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1R20	Rivi-Rivi River at Manjawira	South	Nov-80	Oct-88	8	561	19%	561	19%
1S7	Nkasi River at Kalembo	South	Nov-60	Oct-01	52	2213	15%	1405	7%
1G1	Shire River at Chiromo	South	Nov-50	Dec-08	41	1595	8%	2213	15%
2B6	Namadzi River at Namadzi	South	Nov-51	Jul-08	43	1304	6%	840	5%
2B8	Mulunguzi River at Zomba Plateau	South	Nov-54	Dec-07	47	3225	17%	1608	9%
2B10	Phalombe River at Phalombe	South	Nov-54	Jan-98	43	840	5%	1560	10%
2B11	Mulunguzi River at William Falls	South	Nov-55	Jul-02	49	1608	9%	2285	13%
2B21	Likangala River at Nkokanguwo	South	Nov-59	Sep-02	48	1560	10%	1835	10%
2B22	Thondwe River at Jali	South	Nov-59	Feb-09	57	2285	13%	1304	6%
2B33	Namadzi River at Matiti	South	Nov-61	Mar-10	53	1835	10%	3225	17%
2C3	Domasi River at Domasi T.T.C. (Domasi College (Mie))	South	Nov-57	Dec-09	52	1149	6%	1149	6%
2C4	Domasi By-Pass River at Za-LI Road	South	Nov-57	Oct-97	40	3370	23%	3370	23%
2C8	Naisi River at Mwandama	South	Nov-59	Jul-05	46	1705	10%	1705	10%
3D1	Mtemankhokwe River at Nkuchila	Central	Nov-93	Apr-99	5	280	14%	280	14%
3E1	Nadzipokwe River at Mua Mission	Central	Nov-53	Mar-10	56	542	3%	542	3%
3E2	Namikokwe River at Mua-Livulezi F.R.	Central	Nov-57	Aug-03	46	2201	13%	2201	13%
3E3	Livulezi River at Khwekhwelele	Central	Nov-56	May-08	52	3768	20%	3768	20%
3E5	Namikokwe River at Kampanikiza	Central	Nov-57	Sep-09	52	4850	26%	4850	26%
3E7	Nkhande River at Thobola	Central	Oct-59	Nov-09	50	2134	12%	2134	12%
3F2	Nakaingwa River at Songwe	Central	Aug-57	Oct-87	30	529	5%	529	5%
3F3	Nadzipulu River at Mtakataka	Central	Nov-56	Dec-03	47	3686	21%	3686	21%
4B1	Linthipe River at Salima Railbridge	Central	Dec-52	Oct-09	57	2024	10%	2024	10%

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4B3	Linthipe River at Linthipe	Central	Dec-57	Oct-09	52	2122	11%	2122	11%
4B4	-	Central	Dec-57	Jan-10	52	977	5%	977	5%
4B9	Linthipe River at Malapa	Central	Nov-74	Jan-10	35	1670	13%	1670	13%
4C2	Lilongwe River at Nkwenembela	Central	Nov-57	Apr-10	25	4755	25%	2124	23%
4C11	Nanjiri River at Kadzizila (Kazizira)	Central	Nov-84	Mar-10	52	2124	23%	4755	25%
4D4	Lilongwe River at Lilongwe Old Town	Central	Jul-53	Oct-09	37	3422	17%	1596	12%
4D6	Lilongwe River at Malingunde	Central	Nov-57	Oct-90	15	3967	33%	363	7%
4D21	Katete River at Kaweche	Central	Nov-68	Oct-05	14	1596	12%	995	20%
4D24	Lilongwe River at Masula	Central	Feb-91	Sep-05	12	363	7%	238	6%
4D27	Likuni River at Chigwirizano	Central	Nov-91	Jul-05	56	995	20%	3422	17%
4D29	Chaulongwe River at Mamina	Central	Sep-96	Apr-08	33	238	6%	3967	33%
4E1	Lingadzi River at M1 Roadbridge	Central	Nov-53	Mar-05	51	5650	30%	5650	30%
4E2	Lingadzi River at S11 Roadbridge	Central	Nov-59	Mar-05	45	2078	13%	2078	13%
4F6	Lumbadzi River at Simakumi	Central	Nov-74	Oct-05	31	1862	16%	1862	16%
5C1	Bua River at S53 Roadbridge	Central	Nov-57	Jan-10	52	1191	6%	1191	6%
5D1	Bua River at Bua Drift	Central	Nov-59	Dec-07	48	3875	22%	3875	22%
5D2	Bua River at Old Bua Bridge	Central	Feb-54	Feb-05	51	2849	15%	2849	15%
5D3	Mtiti River at Mtiti	Central	Nov-58	Apr-03	44	1468	9%	1468	9%
5E1	Namitete River at Namitete Town	Central	Dec-56	Sep-05	49	4483	25%	4483	25%
5E6	Bua River at Mchinji	Central	Nov-70	Apr-08	37	1571	11%	1571	11%
5F1	Rusa River at Kasela	Central	Dec-64	Jun-05	41	1906	13%	1906	13%
5F2	Liwelezi River at Mkanda	Central	Nov-75	Oct-90	15	467	9%	467	9%
5F3	Liwelezi River at Matuwamba	Central	Nov-86	Apr-08	21	1705	22%	1705	22%

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6C1	Dwangwa River at Khwengwere (Kwengwere)	North	Feb-53	Dec-09	57	6654	32%	6654	32%
6C5	Mpsadzi River at M1 Roadbridge	North	Dec-65	Oct-01	36	1758	13%	1758	13%
6D1	Milenje River at M1 Roadbridge	North	Nov-70	Jul-07	37	1531	11%	1531	11%
6D10	Dwangwa River at S53 Roadbridge (D/S) (Dwasco)	North	Nov-85	Jan-10	24	947	11%	947	11%
7A3	South Rukuru River at Chimsewezo	North	May-56	Dec-08	19	1084	6%	2468	36%
7A4	Mzimba River at Muweru Bulukutu (Muweru Bukuluti)	North	Nov-57	Aug-09	18	600	3%	379	6%
7A11	South Rukuru River at Mapanjira	North	Apr-81	Nov-99	53	2468	36%	1084	6%
7A12	South Rukuru River at Kamangadazi (Mungoni)	North	Oct-89	Dec-07	52	379	6%	600	3%
7D4	Kasitu River at Edundu	North	Mar-53	Oct-95	28	713	5%	2456	24%
7D8	Lunyangwa River at Zombwe (Ekwendenii-Mpherembe Bridge)	North	Dec-52	Jun-08	23	1890	9%	906	11%
7D16	Lunyangwa River at Mzuzu Water Works (Mzuzu Ww Intake)	North	Nov-80	Jun-08	6	2456	24%	392	17%
7D17	Lusangazi River at Kamweko (Mzuzu-Malivneji Road Bridge)	North	Nov-85	Oct-08	43	906	11%	713	5%
7D18	Lunyangwa River at Mopho Jere (Mzuzu-Malivenji Road Bridge)	North	Nov-85	Mar-92	56	392	17%	1890	9%
7E2	South Rukuru River at Kazuni Bridge	North	Dec-56	Oct-98	42	9784	64%	9784	64%
7F1	Runyina River at Chikwawa	North	Nov-55	Jul-98	43	381	2%	381	2%
7F2	South Rumpfi River at Rumpfi	North	Dec-56	Jul-08	52	1578	8%	1578	8%
7F3	Runyina River at Mjuma	North	Nov-70	Feb-07	36	894	7%	894	7%

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7G3	Muhuju River at Muhuju	North	Dec-54	Feb-07	51	1295	7%	847	5%
7G13	Luviri River at Ng'onga (Roadbridge)	North	Dec-57	Jun-08	50	847	5%	1352	7%
7G14	South Rukuru River at Phwezi	North	Nov-57	Oct-07	24	1352	7%	966	11%
7G18	South Rukuru River at Mlowe	North	Nov-85	Aug-09	52	966	11%	1295	7%
7H1	North Rumphu River at Phoka Court	North	Nov-55	Apr-08	52	1325	7%	1325	7%
7H2	Kaziwiziwi River at Kaziwiziwi	North	Nov-52	May-08	56	1104	5%	1104	5%
7H3	North Rumphu River at Chiweta	North	Nov-71	May-07	36	1129	9%	1129	9%
8A5	North Rukuru River at Mwakimeme	North	Nov-68	May-09	41	1471	10%	1471	10%
8A8	North Rukuru River at Uledi	North	Nov-85	Nov-06	21	853	11%	853	11%
8A9	Mibanga River at Uledi	North	Nov-89	Oct-06	17	1018	16%	1018	16%
9A2	Lufira River at Ngerenge	North	Oct-53	Sep-09	9	2499	12%	68	2%
9A3	Chambo River at Chiwona (Chiwone Upper)	North	Dec-58	Jan-08	56	5304	30%	2499	12%
9A4	Lufira River at Chilanga	North	Dec-58	Feb-08	49	6207	35%	5304	30%
9A5	Kalenje River at Chipwera	North	Nov-70	May-07	49	1713	13%	6207	35%
9A7	Lufira River at Mwakasangila	North	Nov-80	Jan-01	37	1846	25%	1713	13%
9A8	Lufira Canal River at Ngerenge Scheme	North	Nov-80	Oct-98	20	2296	35%	1846	25%
9A9	Sekwa River at Wenga	North	Aug-78	Oct-06	18	674	7%	2296	35%
9A10	Mbalizi River at Chilanga	North	Nov-80	Oct-89	28	68	2%	674	7%
9B3	Kaseye River at Mwenebwiba	North	Nov-70	Jan-08	37	955	7%	955	7%
9B4	Songwe River at Ichinga	North	Nov-80	Oct-08	28	2459	24%	2459	24%
9B5	Hanga River at David Kameme	North	Nov-79	Apr-04	24	1758	20%	1758	20%
9B6	Songwe River at Ipenza	North	Nov-81	Jan-08	26	834	9%	834	9%
9B7	Songwe River at Mwandenga (Hycos)	North	Aug-85	Oct-09	24	763	9%	763	9%

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11A6	Lusangwisi River at Nambande Estate	South	Nov-76	Oct-98	22	1289	16%	1289	16%
11A7	Masongola River at Namwera	South	Nov-76	Oct-98	22	1277	16%	1277	16%
14A1	Namadzi River at Henderson Estate	South	Nov-70	Oct-98	28	1476	14%	1476	14%
14A2	Luchenza River at Luchenza	South	Nov-54	Oct-02	48	2426	14%	2426	14%
14A3	Chisombezi River at Midima Road	South	Nov-61	May-00	39	888	6%	888	6%
14B1	Kwakwasi River at M1 Roadbridge	South	Nov-51	Oct-86	35	282	2%	282	2%
14B2	Thuchila River at Chonde	South	Nov-51	Dec-02	51	2039	11%	2039	11%
14B3	Nswadzi River at Chipungu	South	Dec-53	Nov-02	49	855	5%	855	5%
14B4	Nswadzi River at Naming'omba (Naming'omba Estate)	South	Nov-80	Jun-02	22	504	6%	504	6%
14B5	Nswadzi River at Magombe Estate	South	Nov-80	Oct-89	9	613	19%	613	19%
14B7	Likulezi River at Daudi	South	Nov-70	Oct-97	27	664	7%	664	7%
14B8	Kwakwasi River at Mangunda (Kwakwasi)	South	Nov-84	Oct-97	13	401	8%	401	8%
14C2	Ruo River at M1 Roadbridge (Nsuwadzi) (Ruo)	South	Oct-52	Oct-08	56	2334	11%	2334	11%
14C3	Lichenya River at Mini Mini Estate	South	Nov-80	Oct-90	10	421	12%	421	12%
14C4	Chapaluka River at Chambe Plateau	South	Nov-53	Dec-02	49	4741	26%	15886	88%
14C7	Muloza River at Mlelemba Drift (Mlelemba Estate)	South	Nov-74	Mar-02	27	1174	12%	1174	12%
14C8	Lichenya River at Milonde	South	Nov-59	Oct-02	43	422	3%	422	3%
14D1	Ruo River at Sinoya South	South	Nov-80	Oct-91	11	853	21%	853	21%
15A4	Chirua River at Mtambe	Central	Nov-70	Oct-01	31	3875	34%	3875	34%
15A8	Lingadzi River at Kaniche	Central	Nov-60	Jan-10	49	3092	17%	3092	17%
15B13	Kaombe River at Chanika	Central	Jul-86	May-09	23	982	12%	982	12%

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15B14	Lifuliza River at Nyoni	Central	Nov-74	Oct-08	34	1921	15%	1921	15%
15B15	Kaombe River at M1 Roadbridge	Central	Nov-77	Oct-78	1	96	26%	96	26%
16E6	Dwambadzi River at Nthanda	North	Nov-72	May-09	20	1391	10%	174	2%
16E7	Mlowe River at Katawa	North	Nov-77	Oct-97	37	2973	41%	1391	10%
16E12	Mlowe River	North	Oct-89	May-09	20	174	2%	2973	41%
16F1	Limphasa River at Timbiri	North	Nov-70	Oct-91	21	3244	42%	3244	42%
16F2	Luweya River at Zayuka	North	Nov-52	Oct-95	39	1124	7%	105	1%
16F5	Luchelemu (Lower) River at Mazamba (Road Bridge)	North	Nov-58	Jun-08	22	5175	29%	927	12%
16F6	Luwawa River at Kapalapata	North	Nov-59	Oct-08	43	5990	34%	1124	7%
16F10	Luchelemu River at Mazamba Estate	North	Nov-59	Jul-98	7	105	1%	6	0%
16F15	Luweya River at Mzenga	North	Nov-86	Jun-08	50	927	12%	5175	29%
16F21	Kalwe River at Chigha Chang'ombe (Near Mvwalamani School)	North	Feb-94	Apr-01	49	6	0%	5990	34%
16G2	Chiwisi River at Bula (Usisya Road Bridge)	North	Apr-84	Jan-87	3	34	3%	34	3%
17C6	Wovwe River at Kapiyira	North	Nov-69	Oct-93	14	465	5%	124	2%
17C10	Hara River at Nthipa	North	Sep-75	Oct-89	7	124	2%	49	2%
17C12	Hara Intake Canal at Hara	North	Nov-84	Oct-91	5	49	2%	657	36%
17C17	Nyungwe River at Mcheka-cheka (Station 17C15 in Hydstra Database)	North	Nov-90	Feb-00	9	84	2%	84	2%
17C16	Wovwe River at Njalayankhunda (Fuliruh?)	North	Nov-90	Oct-95	24	657	36%	465	5%