Table S1. The recorded drought incidents and their categories during the study period for each climatic zones in Sri Lanka

SPEI	Zone	Year	Months	Duration	Severity	Intensity	Dryness Category
SPEI 3	Dry	1991-1992	Nov - May	7	-10.35	-1.48	Moderate
SPEI 3	Dry	1993	Apr - May	2	-2.15	-1.08	Moderate
SPEI 3	Dry	1993	Aug - Sep	2	-2.35	-1.18	Moderate
SPEI 3	Dry	1994	May - Aug	4	-6.518	-1.63	Severe
SPEI 3	Dry	1995-1996	Nov - Feb	4	-5.146	-1.29	Moderate
SPEI 3	Dry	1997	Feb - Mar	2	-2.56	-1.28	Moderate
SPEI 3	Dry	1998	Mar - May	3	-4.727	-1.58	Severe
SPEI 3	Dry	1999	Jul – Sep	3	-3.981	-1.33	Moderate
SPEI 3	Dry	2000	May – Jul	3	-3.569	-1.19	Moderate
SPEI 3	Dry	2001	Oct – Nov	2	-1.99	-1.00	Moderate
SPEI 3	Dry	2002	Aug – Sep	2	-2.939	-1.47	Moderate
SPEI 3	Dry	2002-2003	Dec-Mar	4	-4.763	-1.19	Moderate
SPEI 3	Dry	2005	Aug – Sep	2	-2.338	-1.17	Moderate
SPEI 3	Dry	2006	Jun- Aug	3	-3.438	-1.15	Moderate
SPEI 3	Dry	2012	Jun- Aug	3	-5.45	-1.82	Severe
SPEI 3	Dry	2013-2014	Oct-Jan	4	-5.276	-1.32	Moderate
SPEI 3	Dry	2016	Mar - Apr	2	-2.405	-1.20	Moderate
SPEI 3	Dry	2016-2017	Sep - Jan	5	-8.814	-1.76	Severe
SPEI 3	Dry	2018	Jan - Feb	2	-2.229	-1.11	Moderate
SPEI 3	Dry	2019	May - Jun	2	-2.534	-1.27	Moderate
SPEI 3	Dry	2020	Mar - Apr	2	-3.241	-1.62	Severe
SPEI 3	Intermediate	1991-1992	Nov - May	7	-10.72	-1.53	Severe
SPEI 3	Intermediate	1994	May - Aug	4	-6.73	-1.68	Severe
SPEI 3	Intermediate	1995-1996	Nov – Jan	3	-3.338	-1.11	Moderate
SPEI 3	Intermediate	1998	Feb - May	4	-5.889	-1.47	Moderate
SPEI 3	Intermediate	1998	Oct – Nov	2	-1.907	-0.95	low
SPEI 3	Intermediate	1999	Aug - Sep	2	-2.422	-1.21	Moderate
SPEI 3	Intermediate	2000	May – Jul	3	-3.311	-1.10	Moderate
SPEI 3	Intermediate	2002	Jul - Sep	3	-3.922	-1.31	Moderate
SPEI 3	Intermediate	2002-2003	Dec-Feb	3	-4.432	-1.48	Moderate
SPEI 3	Intermediate	2005	Aug – Sep	2	-1.969	-0.98	low
SPEI 3	Intermediate	2008-2009	Nov – Feb	4	-4.643	-1.16	Moderate
SPEI 3	Intermediate	2011	Jul-Aug	2	-2.4	-1.20	Moderate
SPEI 3	Intermediate	2012	Jun- Aug	3	-4.473	-1.49	Moderate
SPEI 3	Intermediate	2013-2014	Nov- Feb	4	-4.938	-1.23	Moderate
SPEI 3	Intermediate	2016	Mar - Apr	2	-1.916	-0.96	low
SPEI 3	Intermediate	2016	Aug-Dec	5	-9.646	-1.93	Severe
SPEI 3	Intermediate	2020	Mar - Apr	2	-3.3	-1.65	Severe
SPEI 3	Wet	1991-1992	Nov - May	7	-10.5	-1.50	Moderate
SPEI 3	Wet	1994	May - Aug	4	-6.908	-1.73	Severe
SPEI 3	Wet	1995-1996	Dec – Jan	2	-2.077	-1.04	Moderate
SPEI 3	Wet	1996	May – Jul	3	-3.766	-1.26	Moderate
SPEI 3	Wet	1998	Feb - May	4	-5.626	-1.41	Moderate
SPEI 3	Wet	1998	Oct – Nov	2	-2.078	-1.04	Moderate
SPEI 3	Wet	2000	May – Jul	3	-3.135	-1.05	Moderate

SPEI 3	Wet	2001	Oct – Dec	3	-3.124	-1.04	Moderate
SPEI 3	Wet	2002	Jul - Sep	3	-4.013	-1.34	Moderate
SPEI 3	Wet	2002-2003	Dec-Feb	3	-4.209	-1.40	Moderate
SPEI 3	Wet	2008-2009	Nov – Feb	4	-4.593	-1.15	Moderate
SPEI 3	Wet	2011	Jul-Aug	2	-2.211	-1.11	Moderate
SPEI 3	Wet	2012	Jun- July	2	-3.374	-1.69	Severe
SPEI 3	Wet	2013-2014	Dec - Mar	4	-4.779	-1.19	Moderate
SPEI 3	Wet	2016	Aug-Dec	5	-10.278	-2.06	Extreme
SPEI 3	Wet	2020	Mar - Apr	2	-3.186	-1.59	Severe
SPEI 6	Dry	1990	Jan - Apr	4	-4.559	-1.14	Moderate
SPEI 6	Dry	1991-1992	Nov-Aug	10	-15.99	-1.60	Severe
SPEI 6	Dry	1993	Jul-Sep	3	-4.192	-1.40	Moderate
SPEI 6	Dry	1994	Jul-Sep	3	-4.586	-1.53	Severe
SPEI 6	Dry	1995-1996	Dec-May	6	-8.108	-1.35	Moderate
SPEI 6	Dry	1997	May-Jun	2	-1.989	-0.99	low
SPEI 6	Dry	1998	Mar-Jul	3	-4.261	-1.42	Moderate
SPEI 6	Dry	1999	Aug-Sep	2	-2.607	-1.30	Moderate
SPEI 6	Dry	2001	Oct-Nov	2	-2.557	-1.28	Moderate
SPEI 6	Dry	2003-2004	Dec-May	6	-6.748	-1.12	Moderate
SPEI 6	Dry	2012	Aug-Sep	2	-2.559	-1.28	Moderate
SPEI 6	Dry	2013-2014	Nov-Apr	6	-8.229	-1.37	Moderate
SPEI 6	Dry	2016-2017	Nov-Mar	5	-8.513	-1.70	Severe
SPEI 6	Dry	2019	Apr-Jul	4	-4.458	-1.11	Moderate
SPEI 6	Intermediate	1991-1992	Nov-Aug	10	-16.32	-1.63	Severe
SPEI 6	Intermediate	1994	Jul-Sep	3	-4.827	-1.61	Severe
SPEI 6	Intermediate	1998	Apr-Jul	4	-5.447	-1.36	Moderate
SPEI 6	Intermediate	2001	Oct-Nov	2	-2.77	-1.39	Moderate
SPEI 6	Intermediate	2002	Sep-Nov	3	-3.246	-1.08	Moderate
SPEI 6	Intermediate	2003-2004	Dec-May	6	-7.36	-1.23	Moderate
SPEI 6	Intermediate	2008-2009	Dec-Feb	3	-3.588	-1.20	Moderate
SPEI 6	Intermediate	2012	Aug-Sep	2	-2.766	-1.38	Moderate
SPEI 6	Intermediate	2013-2014	Nov-Apr	6	-7.753	-1.29	Moderate
SPEI 6	Intermediate	2016-2017	Nov-Feb	4	-7.894	-1.97	Severe
SPEI 6	Intermediate	2019	May-Jun	2	-2.192	-1.10	Moderate
SPEI 6	Wet	1991-1992	Nov-Aug	9	-13.34	-1.48	Moderate
SPEI 6	Wet	1994	Jun-Sep	4	-7.684	-1.92	Severe
SPEI 6	Wet	1996	May-Aug	4	-4.943	-1.24	Moderate
SPEI 6	Wet	1997	Mar-Apr	2	-2.578	-1.29	Moderate
SPEI 6	Wet	1998	Apr-Jun	3	-3.654	-1.22	Moderate
SPEI 6	Wet	2002	Sep-Nov	3	-4.214	-1.40	Moderate
SPEI 6	Wet	2004	Jan-Apr	4	-4.88	-1.22	Moderate
SPEI 6	Wet	2009	Jan-Feb	2	-2.508	-1.25	Moderate
SPEI 6	Wet	2011	Oct-Nov	2	-2.468	-1.23	Moderate
SPEI 6	Wet	2012	Jun-Sep	4	-3.998	-1.00	Moderate
SPEI 6	Wet	2014	Feb-May	4	-4.514	-1.13	Moderate
SPEI 6	Wet	2016-2017	Nov-Feb	4	-8.46	-2.12	Extreme

SPEI 12	Dry	1990	Jan-Nov	11	-14.8	-1.34	Moderate
SPEI 12	Dry	1991-1992	Oct-Dec	15	-26.1	-1.74	Severe
SPEI 12	Dry	1995-1996	Dec-Oct	11	-13.7	-1.25	Moderate
SPEI 12	Dry	1998	Nov-Dec	2	-3.08	-1.54	Severe
SPEI 12	Dry	2004	Feb-Aug	7	-7.16	-1.02	Moderate
SPEI 12	Dry	2014	Feb-Sep	8	-10.2	-1.28	Moderate
SPEI 12	Dry	2016-2017	Dec-Feb	3	-4.08	-1.36	Moderate
SPEI 12	Dry	2017	May-Aug	4	-5.43	-1.36	Moderate
SPEI 12	Intermediate	1990	Jan-Apr	4	-4.72	-1.18	Moderate
SPEI 12	Intermediate	1990	Sep-Nov	3	-3.02	-1.01	Moderate
SPEI 12	Intermediate	1991-1993	Nov-Jan	15	-25.8	-1.72	Severe
SPEI 12	Intermediate	1996	May-Aug	4	-4.07	-1.02	Moderate
SPEI 12	Intermediate	1998	Oct-Dec	3	-3.8	-1.27	Moderate
SPEI 12	Intermediate	2002	Jan-Apr	4	-4.5	-1.12	Moderate
SPEI 12	Intermediate	2004	Mar-Aug	6	-6.79	-1.13	Moderate
SPEI 12	Intermediate	2014	Feb-Sep	7	-9.05	-1.13	Moderate
SPEI 12	Intermediate	2016-2017	Nov-Feb	4	-6.09	-1.52	Severe
SPEI 12	Intermediate	2017	May-Aug	4	-4.7	-1.18	Moderate
SPEI 12	Wet	1990	Jan-May	5	-5.34	-1.07	Moderate
SPEI 12	Wet	1990	Oct-Nov	2	-1.88	-0.94	low
SPEI 12	Wet	1991-1993	Oct-Feb	17	-25.01	-1.47	Moderate
SPEI 12	Wet	1994	Jun-Aug	3	-3.12	-1.04	Moderate
SPEI 12	Wet	1997	Jan-Apr	4	-4.99	-1.25	Moderate
SPEI 12	Wet	1998	Nov-Dec	2	-2.16	-1.08	Moderate
SPEI 12	Wet	2001-2002	Sep-Dec	16	-19.34	-1.21	Moderate
SPEI 12	Wet	2004	Jul-Aug	2	-2.18	-1.09	Moderate
SPEI 12	Wet	2012	Apr-Sep	6	-6.82	-1.14	Moderate
SPEI 12	Wet	2016-2017	Oct-Feb	5	-6.12	-1.22	Moderate
SPEI 12	Wet	2017	May-Aug	4	-5.11	-1.28	Moderate
SPEI 24	Dry	1990-1993	Jan-Nov	47	-77.2	-1.64	Severe
SPEI 24	Dry	1996-1997	Nov-Oct	12	-15.5	-1.29	Moderate
SPEI 24	Dry	1998	Oct-Nov	2	-2.13	-1.06	Moderate
SPEI 24	Dry	2017-2018	Dec-Feb	3	-3.28	-1.09	Moderate
SPEI 24	Intermediate	1990-1993	Jan-Dec	48	-66.80	-1.39	Moderate
SPEI 24	Intermediate	1997	Apr-Sep	6	-9.65	-1.61	Severe
SPEI 24	Intermediate	2017-2018	Dec-Jan	2	-1.98	-0.99	low
SPEI 24	Wet	1990-1993	Jan-Dec	48	-58.04	-1.21	Moderate
SPEI 24	Wet	1997	Jun-Aug	3	-2.98	-0.99	low
SPEI 24	Wet	2002	Feb-Mar	2	-2.17	-1.09	Moderate
SPEI 24	Wet	2002-2003	Aug-May	10	-11.17	-1.12	Moderate