

14 Appendix 1 - Annual Maximum flood Series

14.1 AM Series Wolfetone Bridge Gauge River Corrib 1950 to 2020

Hydrometric Year	Water Level (mOD Malin)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Comments
1950	0.90	0.77	176.3	01/10/1950	OPW Rating R6 equation
1951	1.11	0.97	239.7	17/01/1952	OPW Rating R6 equation
1952	0.77	0.63	140.4	31/12/1952	OPW Rating R6 equation
1953	1.13	0.99	248.3	23/03/1954	OPW Rating R6 equation
1954	1.45	1.31	372.1	09/12/1954	OPW Rating R6 equation
1955	0.85	0.71	161.1	06/02/1956	OPW Rating R6 equation
1956	1.12	0.99	245.9	27/01/1957	OPW Rating R6 equation
1957	0.96	0.82	191.9	14/01/1958	OPW Rating R6 equation
1958	0.88	0.74	168.0	11/01/1959	OPW Rating R6 equation
1959	1.38	1.24	343.1	01/01/1960	OPW Rating R6 equation
1960	1.15	1.01	255.6	30/01/1961	OPW Rating R6 equation
1961	1.15	1.01	254.9	10/12/1961	OPW Rating R6 equation
1962	0.83	0.69	154.8	02/04/1963	OPW Rating R6 equation
1963	1.21	1.07	276.9	26/11/1963	OPW Rating R6 equation
1964	1.10	0.96	238.4	27/01/1965	OPW Rating R6 equation
1965	1.02	0.88	209.9	22/12/1965	OPW Rating R6 equation
1966	1.19	1.06	270.7	23/01/1967	OPW Rating R6 equation
1967	0.99	0.85	202.3	02/02/1968	OPW Rating R6 equation
1968	0.61	0.48	103.1	26/02/1969	OPW Rating R6 equation
1969	1.19	1.05	268.1	22/12/1969	OPW Rating R6 equation
1970	1.07	0.93	226.0	03/10/1970	OPW Rating R6 equation
1971	1.08	0.94	231.6	26/01/1972	OPW Rating R6 equation
1972	1.067	0.9	214.6	16/12/1972	OPW Rating R6 equation
1973	1.199	1.063	269.2	08/01/1974	OPW Rating R6 equation
1974	1.399	1.26	346.8	25/01/1975	OPW Rating R6 equation
1975	0.959	0.82	189.8	02/12/1975	OPW Rating R6 equation
1976	1.079	0.94	227.7	22/02/1977	OPW Rating R6 equation
1977	1.239	1.1	283.9	12/11/1977	OPW Rating R6 equation
1978	1.119	0.98	241.1	15/12/1978	OPW Rating R6 equation
1979	1.379	1.24	338.6	17/12/1979	OPW Rating R6 equation
1980	1.139	1	248.0	20/12/1980	OPW Rating R6 equation
1981	1.129	0.99	244.5	16/03/1982	OPW Rating R6 equation
1982	1.199	1.06	269.2	30/01/1983	OPW Rating R6 equation
1983	1.209	1.07	272.8	17/01/1984	OPW Rating R6 equation
1984	1.119	0.98	241.1	27/12/1984	OPW Rating R6 equation
1985	1.174	1	248.0	07/08/1986	OPW Rating R6 equation
1986	1.194	1.02	254.9	18/12/1986	OPW Rating R6 equation
1987	1.254	1.08	276.5	09/02/1988	OPW Rating R6 equation
1988	1.074	0.9	214.6	22/03/1989	OPW Rating R6 equation
1989	1.324	1.15	302.8	21/02/1990	OPW Rating R6 equation
1990	1.414	1.24	338.6	05/01/1991	OPW Rating R6 equation

Hydrometric Year	Water Level (mOD Malin)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Comments
1991	1.354	1.18	314.5	19/03/1992	OPW Rating R6 equation
1992	1.584	1.41	198.7	07/12/1992	OPW Rating R10 equation
1993	1.614	1.44	204.2	28/12/1993	OPW Rating R10 equation
1994	1.654	2.482	244.8	01/02/1995	OPW Rating R10 equation
1995	1.354	2.18	188.7	30/11/1995	OPW Rating R10 equation
1996	1.554	2.38	225.4	26/02/1997	OPW Rating R10 equation
1997	1.514	2.34	217.9	14/01/1998	OPW Rating R10 equation
1998	1.614	2.44	237.0	26/01/1999	OPW Rating R10 equation
1999	1.744	2.57	262.8	27/12/1999	OPW Rating R10 equation
2000	1.654	2.48	244.8	14/12/2000	OPW Rating R10 equation
2001	1.724	2.55	258.8	13/02/2002	OPW Rating R10 equation
2002	1.504	2.33	216.0	15/11/2002	OPW Rating R10 equation
2003	1.559	2.385	226.4	20/01/2004	OPW Rating R10 equation
2004	1.704	2.53	250.6	23/01/2005	conversion to d/s and use OPW Rating R15
2005	1.464	2.29	175.8	22/05/2006	conversion to d/s and use OPW Rating R15
2006	2.024	2.85	378.4	15/12/2006	conversion to d/s and use OPW Rating R15
2007	1.744	2.57	264.8	06/02/2008	conversion to d/s and use OPW Rating R15
2008	1.574	2.4	208.0	30/10/2008	conversion to d/s and use OPW Rating R15
2009	1.477	2.3	356.0	28/11/2009	OPW Rating R15
2010	1.027	1.9	193.0	11/02/2011	OPW Rating R15
2011	1.366	2.19	310.0	05/01/2012	OPW Rating R15
2012	1.137	1.96	227.0	09/01/2013	OPW Rating R15
2013	1.356	2.18	306.0	28/02/2014	OPW Rating R15
2014	1.233	2.06	261.0	16/01/2015	OPW Rating R15
2015	1.488	2.31	361.0	12/12/2015	OPW Rating R15
2016	1.057	1.88	202.0	09/03/2017	OPW Rating R15
2017	1.307	2.13	287.0	27/01/2018	OPW Rating R15
2018	1.256	2.08	268.0	17/03/2019	OPW Rating R15
2019	1.502	2.325	367.0	26/02/2020	OPW Rating R15
2020	1.267	2.09	272.0	25/11/2020	OPW Rating R15

14.2 AM Flow Series Dangan Gauge (30098) - 1986 to 2020

HYDROMETRIC YEAR	WATER LEVEL (mOD)	S.G.READING (m)	ESTIMATED FLOWS (m3/s)	RELIABLE LIMIT2 (m3/s)	DATE	COMMENTS / NOTES	Barrage Openings
1986	9.43	1.07	335.9	275	19/12/1986	Rating under development	All open
1987	9.26	0.9	298.3	275	10/02/1988	Rating under development	All open
1988	9.01	0.65	243.1	275	22/03/1989	Rating under development	All open
1989	9.4	1.04	329.3	275	11/02/1990	Rating under development	All open
1990	9.3	0.94	307.2	275	05/01/1991	Rating under development	All open
1991	9.04	0.68	249.8	275	13/03/1992	Rating under development	All open
1992	9.05	0.69	252.0	275	07/12/1992	Rating under development	All open
1993	9.13	0.77	269.6	275	23/12/1993	Rating under development	All open
1994	9.23	0.87	291.7	275	01/02/1995	Rating under development	All open
1995	8.91	0.55	221.1	275	18/02/1996	Rating under development	8 open
1996	9.04	0.68	249.8	275	26/02/1997	Rating under development	All open
1997	9.06	0.7	254.2	275	13/01/1998	Rating under development	All open
1998	9.03	0.67	247.6	275	28/01/1999	Rating under development	All open
1999	9.25	0.89	296.1	275	27/12/1999	Rating under development	All open
2000	9.065	0.705	255.3	275	15/12/2000	Rating under development	All open
2001	9.18	0.82	280.7	275	13/02/2002	Rating under development	All open
2002	8.94	0.58	227.7	275	15/11/2002	Rating under development	All open
2003	8.875	0.515	213.3	275	07/02/2004	Rating under development	14 open
2004	9.09	0.73	260.8	275	18/01/2005	Rating under development	All open
2005			176.0	275	22/05/2006	from WolfeTone	no data
2006	9.455	1.095	341.4	275	15/12/2006	Rating under development	All open
2007	9.03	0.67	247.6	275	05/02/2008	Rating under development	All open
2008	9.07	0.71	256.4	275	30/10/2008	Rating under development	All open
2009	9.469	1.109	344.5	275	29/11/2009	Rating under development	All open
2010	8.94	0.58	227.7	275	11/11/2010	Rating under development	All open
2011	9.18	0.82	280.7	275	05/01/2012	Rating under development	All open
2012	8.987	0.627	238.1	275	01/02/2013	Rating under development	All open
2013	9.331	0.971	314.0	275	28/02/2014	Rating under development	All open
2014	9.126	0.766	268.8	275	18/01/2015	Rating under development	All open
2015	9.583	1.223	369.7	275	02/01/2016	Rating under development	All open
2016	8.911	0.551	221.3	275	08/03/2017	Rating under development	All open
2017	9.179	0.819	280.5	275	31/01/2018	Rating under development	All open
2018	9.051	0.691	252.2	275	17/03/2019	Rating under development	All open
2019	9.498	1.138	350.9	275	26/02/2020	Rating under development	All open
2020	9.126	0.766	268.8	8.36	25/11/2020	Rating under development	All open

14.3 AM Flow Series Lough Allen AM Flow at Bellantra Sluices Gauge (26030) - 1941 to 2020

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Comments
1941			26.8	29/12/1941	from COS Flood Relief Scheme
1943			30.9	06/03/1943	from COS Flood Relief Scheme
1943			34.8	28/03/1944	from COS Flood Relief Scheme
1944			38.4	18/12/1944	from COS Flood Relief Scheme
1945			28.7	23/03/1946	from COS Flood Relief Scheme
1946			41.9	16/01/1947	from COS Flood Relief Scheme
1947			32.4	19/01/1948	from COS Flood Relief Scheme
1948			28.1	09/01/1949	from COS Flood Relief Scheme
1949			30.9	30/12/1949	from COS Flood Relief Scheme
1950			28.1	23/12/1950	from COS Flood Relief Scheme
1951			32.4	12/01/1952	from COS Flood Relief Scheme
1952			24.6	30/10/1952	from COS Flood Relief Scheme
1953			26.8	28/02/1954	from COS Flood Relief Scheme
1954			38.4	08/12/1954	from COS Flood Relief Scheme
1955			27.3	17/08/1956	from COS Flood Relief Scheme
1956			29.5	02/02/1957	from COS Flood Relief Scheme
1957			25.9	13/08/1958	from COS Flood Relief Scheme
1958			25.9	01/11/1958	from COS Flood Relief Scheme
1959			36.9	05/02/1960	from COS Flood Relief Scheme
1960			36.3	12/02/1961	from COS Flood Relief Scheme
1961			26.8	26/10/1961	from COS Flood Relief Scheme
1962			25.9	07/02/1963	from COS Flood Relief Scheme
1963			30.9	26/03/1964	from COS Flood Relief Scheme
1964			45.2	20/01/1965	from COS Flood Relief Scheme
1965			30.1	04/03/1966	from COS Flood Relief Scheme
1966			25.9	26/12/1966	from COS Flood Relief Scheme
1967			33.9	20/01/1968	from COS Flood Relief Scheme
1968			35.4	22/01/1969	from COS Flood Relief Scheme
1969			40.9	22/02/1970	from COS Flood Relief Scheme
1970			25.9	09/07/1971	from COS Flood Relief Scheme
1971			29.5	05/04/1972	from COS Flood Relief Scheme
1972			25.9	31/01/1973	from COS Flood Relief Scheme
1973			34.8	14/02/1974	from COS Flood Relief Scheme
1974			39.4	29/01/1975	from COS Flood Relief Scheme
1975			25.9	14/02/1976	from COS Flood Relief Scheme
1976			29.5	20/02/1977	from COS Flood Relief Scheme

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Comments
1977			26.8	28/03/1978	from COS Flood Relief Scheme
1978			27.3	12/03/1979	from COS Flood Relief Scheme
1979			28.7	06/11/1979	from COS Flood Relief Scheme
1980			31.8	21/12/1980	from COS Flood Relief Scheme
1981			33.3	16/03/1982	from COS Flood Relief Scheme
1982			36.3	16/05/1983	from COS Flood Relief Scheme
1983			40.9	06/02/1984	from COS Flood Relief Scheme
1984			32.4	18/09/1985	from COS Flood Relief Scheme
1985			28.1	01/10/1985	from COS Flood Relief Scheme
1986			25.9	01/10/1986	from COS Flood Relief Scheme
1987			39.4	10/02/1988	from COS Flood Relief Scheme
1988			30.1	11/04/1989	from COS Flood Relief Scheme
1989			40.0	28/02/1990	from COS Flood Relief Scheme
1990			28.9	05/01/1991	from COS Flood Relief Scheme
1991			32.4	08/01/1992	from COS Flood Relief Scheme
1992			38.0	26/01/1993	from COS Flood Relief Scheme
1993			43.9	04/02/1994	from COS Flood Relief Scheme
1994			51.2	10/03/1995	from COS Flood Relief Scheme
1995			30.0	25/10/1995	from COS Flood Relief Scheme
1996			41.3	05/11/1996	from COS Flood Relief Scheme
1997			46.6	09/01/1998	from COS Flood Relief Scheme
1998			50.9	30/10/1998	from COS Flood Relief Scheme
1999			57.2	24/12/1999	from COS Flood Relief Scheme
2000			39.1	08/12/2000	from COS Flood Relief Scheme
2001			36.6	30/05/2002	from COS Flood Relief Scheme
2002			32.6	14/11/2002	from COS Flood Relief Scheme
2003			39.2	14/01/2004	from COS Flood Relief Scheme
2004			36.1	20/01/2005	from COS Flood Relief Scheme
2005			29.4	24/05/2006	from COS Flood Relief Scheme
2006			30.4	21/01/2007	from COS Flood Relief Scheme
2007			29.5	15/09/2008	from COS Flood Relief Scheme
2008			32.7	31/01/2009	from COS Flood Relief Scheme
2009			54.8	25/11/2009	from COS Flood Relief Scheme
2010			26.1	19/11/2010	from COS Flood Relief Scheme
2011			41.9	22/11/2011	from COS Flood Relief Scheme
2012			29.4	23/11/2012	from COS Flood Relief Scheme
2013			43.6	17/02/2014	from COS Flood Relief Scheme
2014			31.3	14/11/2014	from COS Flood Relief Scheme

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Comments
2015			48.1	09/12/2015	from COS Flood Relief Scheme
2016			28.6	27/08/2017	from COS Flood Relief Scheme
2017			32.2	14/02/2018	from COS Flood Relief Scheme
2018			34.3	01/02/2019	from COS Flood Relief Scheme
2019			39.0	29/02/2020	from COS Flood Relief Scheme
2020			32.5	24/11/2020	from COS Flood Relief Scheme

14.4 AM Flow Series Boyle river at Boyle Abbey Gauge (26108) - 1990 to 2020

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flow(m3/s)	DATE	Reliable Limit (m3/s)	COMMENTS
1990	52.805	1.37	56.144	05/01/1991	75	
1991	52.705	1.27	48.423	10/01/1992	75, Reliable limit 60m3/s	
1992	52.605	1.17	41.298	03/12/1992	75, Reliable limit 60m3/s	
1993	52.595	1.16	40.618	19/12/1993	75, Reliable limit 60m3/s	
1994	52.685	1.25	46.951	31/01/1995	75, Reliable limit 60m3/s	
1995	52.535	1.1	36.662	28/10/1995	75, Reliable limit 60m3/s	
1996	52.525	1.09	40.618	26/02/1997	75, Reliable limit 60m3/s	
1997	52.515	1.08	39.944	12/01/1998	75, Reliable limit 60m3/s	
1998	52.545	1.11	41.984	29/10/1998	75, Reliable limit 60m3/s	
1999	52.635	1.2	48.423	27/12/1999	75, Reliable limit 60m3/s	
2000	52.485	1.05	37.957	08/12/2000	75, Reliable limit 60m3/s	
2001	52.665	1.23	50.677	12/02/2002	75, Reliable limit 60m3/s	
2002	52.485	1.05	37.957	11/11/2002	75, Reliable limit 60m3/s	
2003	52.475	1.04	37.307	04/02/2004	75, Reliable limit 60m3/s	
2004	52.625	1.19	47.684	11/01/2005	75, Reliable limit 60m3/s	
2005	52.197	0.762	21.563	24/05/2006	75, Reliable limit 60m3/s	
2006	52.65	1.215	49.543	12/12/2006	75, Reliable limit 60m3/s	
2007	52.575	1.14	44.077	11/12/2007	75, Reliable limit 60m3/s	
2008	52.485	1.05	37.957	02/02/2009	75, Reliable limit 60m3/s	
2009	52.995	1.56	79.038	25/11/2009	75, Reliable limit 60m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flow(m ³ /s)	DATE	Reliable Limit (m ³ /s)	COMMENTS
2010	52.495	1.06	38.614	09/02/2011	75, Reliable limit 60m ³ /s	
2011	52.535	1.1	41.298	02/12/2011	75, Reliable limit 60m ³ /s	
2012	52.435	1	34.764	31/01/2013	75, Reliable limit 60m ³ /s	
2013	52.595	1.16	45.502	08/01/2014	75, Reliable limit 60m ³ /s	
2014	52.511	1.076	39.676	17/01/2015	75, Reliable limit 60m ³ /s	
2015	52.925	1.49	72.471	10/12/2015	75, Reliable limit 60m ³ /s	
2016	52.397	0.962	32.435	08/03/2017	75, Reliable limit 60m ³ /s	
2017	52.521	1.086	40.348	25/01/2018	75, Reliable limit 60m ³ /s	
2018	52.525	1.09	40.618	18/03/2019	75, Reliable limit 60m ³ /s	
2019	52.704	1.269	53.687	25/02/2020	75	

14.5 AM Flow Series Boyle river at Cuppanagh Gauge (26075) - 1980 to 2019

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flow(m ³ /s)	DATE	Reliable Limit (m ³ /s)	COMMENTS
1980	67.233	2.015	31.442	23/12/1980	59	
1981	67.098	1.88	28.39	15/03/1982	59	
1982	67.068	1.85	27.725	25/11/1982	59	
1983	67.286	2.068	32.667	07/02/1984	59	
1984	67.22	2.002	31.144	31/08/1985	59	
1985	67.108	1.89	28.612	23/12/1985	59	
1986	67.258	2.04	32.018	26/11/1986	59	
1987	67.268	2.05	32.249	07/03/1988	59	
1988	66.938	1.72	24.903	27/02/1989	59	
1989	67.668	2.45	41.922	10/02/1990	59	
1990	67.718	2.5	43.187	07/01/1991	59	
1991	67.52	2.302	38.25	10/01/1992	59	
1992	67.303	2.085	33.063	03/12/1992	59	
1993	67.238	2.02	31.557	03/01/1994	59	
1994	67.413	2.195	35.663	01/02/1995	59	
1995	67.268	2.05	32.249	28/10/1995	59	
1996	67.368	2.15	34.592	26/02/1997	59	
1997	67.363	2.145	34.473	11/01/1998	59	
1998	67.383	2.165	34.947	29/10/1998	59	
1999	67.618	2.4	40.67	27/12/1999	59	
2000	67.328	2.11	33.649	14/12/2000	59	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flow(m ³ /s)	DATE	Reliable Limit (m ³ /s)	COMMENTS
2001	67.596	2.378	40.122	11/02/2002	59	
2002	67.308	2.09	33.18	11/11/2002	59	
2003	67.33	2.112	33.695	04/02/2004	59	
2004	67.633	2.415	41.044	11/12/2004	59	
2005	66.748	1.53	20.956	23/05/2006	59	
2006	67.638	2.42	41.169	13/12/2006	59	
2007	67.691	2.473	42.502	11/12/2007	59	
2008	67.483	2.265	37.349	02/02/2009	59	
2009	68.618	3.4	67.869	19/11/2009	59	Approximate level. Exact value not captured. Missing data 19/11/09 to 30/08/2010.
2010	67.507	2.289	37.933	09/02/2011	59	Missing data 06/10/10 to 01/01/11
2011	67.66	2.442	41.721	02/12/2011	59	
2012	67.322	2.104	33.508	31/01/2013	59	
2013	67.733	2.515	43.569	08/01/2014	59	
2014	67.599	2.381	40.197	17/01/2015	59	
2015	68.436	3.218	62.598	09/12/2015	59	
2016	67.278	2.06	32.481	09/03/2017	59	
2017	67.632	2.414	41.019	26/01/2018	59	
2018	67.637	2.419	41.144	18/03/2019	59	
2019	67.938	2.72	48.89	25/02/2020	59	

14.6 Annual Maximum Flow Series - Lurne Br. 22035

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Reliable Range cumec	Comments
1991	21.215	2.385	74.38	26/11/1991	Reliable limit 115m ³ /s	
1992	21.21	2.38	74.04	25/11/1992	Reliable limit 115m ³ /s	
1993	21.56	2.73	100.1	21/12/1993	Reliable limit 115m ³ /s	
1994	21.95	3.12	133.99	01/02/1995	Reliable limit 115m ³ /s	
1995	21.525	2.695	97.31	08/01/1996	Reliable limit 115m ³ /s	
1996	21.73	2.9	114.24	20/02/1997	Reliable limit 115m ³ /s	
1997	21.76	2.93	116.84	09/01/1998	Reliable limit 115m ³ /s	
1998	21.715	2.885	124.36	04/01/1999	Reliable limit 115m ³ /s	
1999	21.881	3.06	128.44	26/01/2000	Reliable limit 115m ³ /s	
2001	21.721	2.9	114.24	02/02/2002	Reliable limit 115m ³ /s	
2002	21.26	2.44	78.22	28/11/2002	Reliable limit 115m ³ /s	
2003	21.61	2.79	104.98	04/02/2004	Reliable limit 115m ³ /s	
2004	21.795	2.975	120.79	10/01/2005	Reliable limit 115m ³ /s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Reliable Range cumec	Comments
2005	21.6	2.78	104.16	04/11/2005	Reliable limit 115m ³ /s	
2006	21.285	2.485	81.43	16/03/2007	Reliable limit 115m ³ /s	
2007	21.74	2.94	117.71	21/01/2008	Reliable limit 115m ³ /s	
2008	21.5	2.7	97.71	26/10/2008	Reliable limit 115m ³ /s	
2009	22.067	3.267	148.1	19/11/2009	Reliable limit 115m ³ /s	Recorder flooded and logger malfunction at 3.267m
2010	21.814	3.014	124.27	16/01/2011	Reliable limit 115m ³ /s	
2011	21.7	2.9	114.24	01/12/2011	Reliable limit 115m ³ /s	
2012	21.489	2.689	96.84	23/11/2012	Reliable limit 115m ³ /s	
2013	21.817	3.017	124.54	31/12/2013	Reliable limit 115m ³ /s	
2014	21.51	2.71	98.5	16/01/2015	Reliable limit 115m ³ /s	
2015	22.749	3.949	223.23	06/12/2015	Reliable limit 115m ³ /s	
2016	21.261	2.461	79.71	06/03/2017	Reliable limit 115m ³ /s	
2017	21.743	2.943	117.97	22/10/2017	Reliable limit 115m ³ /s	
2018	21.791	2.991	122.21	19/12/2018	Reliable limit 115m ³ /s	
2019	21.756	2.956	119.03	24/02/2020		

14.7 AM Flood Flow Series River Shannon at Banagher 25017

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Reliable Range m ³ /s	Comments
1950	33.685	1.74	337	05/02/1951	Reliable limit 643m ³ /s	
1951	33.985	2.04	430.5	02/01/1952	Reliable limit 643m ³ /s	
1952	33.435	1.49	267.9	29/12/1952	Reliable limit 643m ³ /s	
1953	33.745	1.8	354.8	28/02/1954	Reliable limit 643m ³ /s	
1954	34.445	2.5	596.5	10/12/1954	Reliable limit 643m ³ /s	
1955	33.495	1.55	283.8	31/01/1956	Reliable limit 643m ³ /s	
1956	34.045	2.1	450.6	05/01/1957	Reliable limit 643m ³ /s	
1957	33.775	1.83	363.9	15/02/1958	Reliable limit 643m ³ /s	
1958	33.705	1.76	342.9	07/01/1959	Reliable limit 643m ³ /s	
1959	34.325	2.38	550.6	28/12/1959	Reliable limit 643m ³ /s	
1960	34.065	2.12	457.4	06/12/1960	Reliable limit 643m ³ /s	
1961	33.785	1.84	366.9	14/12/1961	Reliable limit 643m ³ /s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1962	33.525	1.58	291.9	13/12/1962	Reliable limit 643m3/s	
1963	34.003	2.07	440.5	27/11/1963	Reliable limit 643m3/s	
1964	34.193	2.26	506.5	20/01/1965	Reliable limit 643m3/s	
1965	34.203	2.27	510.1	10/12/1965	Reliable limit 643m3/s	
1966	33.783	1.85	370	01/03/1967	Reliable limit 643m3/s	
1967	34.073	2.14	464.3	17/01/1968	Reliable limit 643m3/s	
1968	34.173	2.24	499.3	22/01/1969	Reliable limit 643m3/s	
1969	33.763	1.83	363.9	26/02/1970	Reliable limit 643m3/s	
1970	33.853	1.92	391.7	29/11/1970	Reliable limit 643m3/s	
1971	33.551	3.17	289.2	11/04/1972	Reliable limit 643m3/s	
1972	33.381	3	245	16/12/1972	Reliable limit 643m3/s	
1973	33.901	3.52	391.7	17/01/1974	Reliable limit 643m3/s	
1974	34.141	3.76	471.2	29/01/1975	Reliable limit 643m3/s	
1975	33.611	3.23	305.6	12/01/1976	Reliable limit 643m3/s	
1976	34.041	3.66	437.2	23/02/1977	Reliable limit 643m3/s	
1977	33.751	3.37	345.9	06/02/1978	Reliable limit 643m3/s	
1978	33.931	3.55	401.3	16/12/1978	Reliable limit 643m3/s	
1979	34.101	3.72	457.4	17/12/1979	Reliable limit 643m3/s	
1980	33.851	3.47	376.1	26/12/1980	Reliable limit 643m3/s	
1981	33.85	3.53	394.9	16/03/1982	Reliable limit 643m3/s	
1982	33.89	3.57	407.7	10/01/1983	Reliable limit 643m3/s	
1983	34.04	3.72	457.4	18/01/1984	Reliable limit 643m3/s	
1984	33.7	3.38	348.8	27/12/1984	Reliable limit 643m3/s	
1985	33.74	3.42	360.8	24/01/1986	Reliable limit 643m3/s	
1986	34.05	3.73	460.9	22/12/1986	Reliable limit 643m3/s	
1987	34.16	3.84	499.3	04/02/1988	Reliable limit 643m3/s	
1988	33.62	3.3	325.4	16/03/1989	Reliable limit 643m3/s	
1989	34.33	4	558.1	09/02/1990	Reliable limit 643m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Reliable Range m ³ /s	Comments
1990	34.12	3.79	481.6	08/01/1991	Reliable limit 643m ³ /s	
1991	33.7	3.37	345.9	09/01/1992	Reliable limit 643m ³ /s	
1992	33.87	3.54	398.1	07/12/1992	Reliable limit 643m ³ /s	
1993	33.99	3.66	437.2	04/01/1994	Reliable limit 643m ³ /s	
1994	34.31	3.98	550.6	02/02/1995	Reliable limit 643m ³ /s	
1995	33.52	3.19	294.6	19/02/1996	Reliable limit 643m ³ /s	
1996	33.99	3.66	437.2	26/02/1997	Reliable limit 643m ³ /s	
1997	33.94	3.61	420.7	10/01/1998	Reliable limit 643m ³ /s	
1998	33.97	3.64	430.5	20/01/1999	Reliable limit 643m ³ /s	
1999	34.35	4.02	565.7	27/12/1999	Reliable limit 643m ³ /s	
2000	34.11	3.78	478.1	14/12/2000	Reliable limit 643m ³ /s	
2001	34.32	3.99	554.3	13/02/2002	Reliable limit 643m ³ /s	
2002	33.68	3.35	340	11/11/2002	Reliable limit 643m ³ /s	
2003	33.69	3.36	342.9	08/02/2004	Reliable limit 643m ³ /s	
2004	34.105	3.775	476.4	11/01/2005	Reliable limit 643m ³ /s	
2005	33.35	3.02	250	17/01/2006	Reliable limit 643m ³ /s	
2006	34.43	4.1	596.5	16/12/2006	Reliable limit 643m ³ /s	
2007	34.07	3.74	464.3	24/01/2008	Reliable limit 643m ³ /s	
2008	34.03	3.7	450.6	02/02/2009	Reliable limit 643m ³ /s	
2009	34.769	4.439	736.4	27/11/2009	Reliable limit 643m ³ /s	
2010	33.984	3.654	435.2	11/02/2011	Reliable limit 643m ³ /s	
2011	33.99	3.66	437.2	06/01/2012	Reliable limit 643m ³ /s	
2012	33.896	3.566	406.4	01/02/2013	Reliable limit 643m ³ /s	
2013	34.223	3.893	518.4	18/02/2014	Reliable limit 643m ³ /s	
2014	34.068	3.738	463.6	17/11/2014	Reliable limit 643m ³ /s	
2015	34.776	4.446	739.4	05/01/2016	Reliable limit 643m ³ /s	
2016	33.749	3.419	360.5	09/03/2017	Reliable limit 643m ³ /s	
2017	34.204	3.874	511.5	31/01/2018	Reliable limit 643m ³ /s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
2018	34.106	3.776	476.8	18/03/2019	Reliable limit 643m3/s	
2019	34.5	4.17	624.2	26/02/2020	Reliable limit 643m3/s	

14.8 AM Flood Flow Series at Belturbet 36019

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1958	48.368	1.88	64.3	04/01/1959	150	
1959	48.678	2.19	93	30/12/1959	150	
1960	48.578	2.09	83.1	07/12/1960	150	
1961	48.628	2.14	88	15/12/1961	150	
1962	48.458	1.97	72	21/12/1962	150	
1963	48.778	2.29	101	28/11/1963	150	
1964	48.918	2.43	112.7	22/01/1965	150	
1965	48.788	2.3	101.8	15/12/1965	150	
1966	48.748	2.26	98.5	17/12/1966	150	
1967	48.748	2.26	98.5	19/01/1968	150	
1968	48.658	2.17	91	24/01/1969	150	
1969	48.598	2.11	85	24/02/1970	150	
1970	48.408	1.92	67.6	01/12/1970	150	
1971	48.368	1.88	64.3	13/04/1972	150	
1972	48.218	1.73	52.5	30/01/1973	150	
1973	48.551	2.04	78.3	18/01/1974	150	
1974	48.801	2.29	101	31/01/1975	150	
1975	48.471	1.96	71.1	12/01/1976	150	
1976	48.711	2.2	93.7	23/02/1977	150	
1977	48.531	2.02	76.5	19/11/1977	150	
1978	48.591	2.08	82.1	15/12/1978	150	
1979	48.631	2.12	86	14/12/1979	150	
1980	48.631	2.12	86	27/12/1980	150	
1981	48.651	2.14	88	09/01/1982	150	
1982	48.621	2.11	85	24/12/1982	150	
1983	48.781	2.27	99.3	20/01/1984	150	
1984	48.571	2.06	80.2	24/12/1984	150	Water Level estimated
1985	48.591	2.08	84.5	24/01/1986	150	
1986	48.717	2.2	93.7	23/12/1986	150	
1987	48.797	2.28	100.1	13/02/1988	150	
1988	48.367	1.85	65.9	15/04/1989	150	
1989	48.787	2.27	87.5	13/02/1990	150	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1990	48.867	2.35	93.7	09/01/1991	150	
1991	48.577	2.06	71.8	27/12/1991	150	
1992	48.707	2.19	81.5	06/12/1992	150	
1993	48.727	2.21	83	25/12/1993	150	
1994	48.807	2.29	89.1	03/02/1995	150	
1995	48.917	2.4	97.7	04/12/1995	150	Water Level estimated
1996	48.777	2.26	86.2	28/02/1997	150	
1997	48.847	2.33	92.2	11/01/1998	150	
1998	48.747	2.23	83.3	22/01/1999	150	
1999	48.997	2.48	104.2	26/12/1999	150	
2000	48.887	2.37	95.3	13/12/2000	150	
2001	48.937	2.42	99.3	06/02/2002	150	
2002	48.917	2.4	97.7	16/11/2002	150	
2003	48.567	2.05	66.9	07/02/2004	150	
2004	48.937	2.42	99.3	12/01/2005	150	
2005	48.487	1.97	59.9	04/04/2006	150	
2006	49.197	2.68	121.4	17/12/2006	150	
2007	48.977	2.46	102.2	26/01/2008	150	
2008	48.727	2.21	81.3	03/02/2009	150	
2009	49.567	3.05	156.7	25/11/2009	150	
2010	48.707	2.19	79.5	12/11/2010	150	
2011	48.967	2.45	101.8	30/10/2011	150	
2012	49.027	2.51	107	15/02/2013	150	
2013	49.179	2.662	119.8	21/02/2014	150	
2014	48.982	2.465	103	18/11/2014	150	
2015	49.515	2.998	151.1	02/01/2016	150	
2016	48.646	2.129	73.9	09/03/2017	150	
2017	49.087	2.57	111.8	27/01/2018	150	
2018	49.015	2.498	105.7	20/03/2019	150	
2019	49.258	2.741	126.9	29/02/2020	150	

14.9 AM Flood Flow Series River Fergus at Ballycorey 27002

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1954	8.867	2.1	39.558	12/12/1954	Reliable limit 60m3/s	
1955	8.342	1.575	23.638	30/01/1956	Reliable limit 60m3/s	
1956	8.707	1.94	33.578	05/01/1957	Reliable limit 60m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1957	8.647	1.88	31.847	04/11/1957	Reliable limit 60m3/s	
1958	8.247	1.48	21.287	07/01/1959	Reliable limit 60m3/s	
1959	9.237	2.47	59.757	30/12/1959	Reliable limit 60m3/s	
1960	8.857	2.09	39.081	08/02/1961	Reliable limit 60m3/s	
1961	8.667	1.9	32.42	13/12/1961	Reliable limit 60m3/s	
1962	8.352	1.585	23.891	16/12/1962	Reliable limit 60m3/s	
1963	8.627	1.86	31.279	28/11/1963	Reliable limit 60m3/s	
1964	8.877	2.11	40.038	16/12/1964	Reliable limit 60m3/s	
1965	8.657	1.89	32.133	18/12/1965	Reliable limit 60m3/s	
1966	8.537	1.77	28.773	01/03/1967	Reliable limit 60m3/s	
1967	8.687	1.92	32.997	24/10/1967	Reliable limit 60m3/s	
1968	8.887	2.12	40.523	27/12/1968	Reliable limit 60m3/s	
1969	8.607	1.84	30.715	25/12/1969	Reliable limit 60m3/s	
1970	8.567	1.8	29.599	19/11/1970	Reliable limit 60m3/s	
1971	8.417	1.65	25.564	28/01/1972	Reliable limit 60m3/s	
1972	8.647	1.88	34.141	14/12/1972	Reliable limit 60m3/s	
1973	8.68	1.62	34.866	15/09/1974	Reliable limit 60m3/s	
1974	8.88	1.82	42.056	29/01/1975	Reliable limit 60m3/s	
1975	8.575	1.515	31.301	06/12/1975	Reliable limit 60m3/s	
1976	8.4	1.34	25.384	11/02/1977	Reliable limit 60m3/s	
1977	8.83	1.77	34.983	14/11/1977	Reliable limit 60m3/s	
1978	8.57	1.51	27.002	17/12/1978	Reliable limit 60m3/s	
1979	8.885	1.825	36.771	18/12/1979	Reliable limit 60m3/s	
1980	8.68	1.62	30.282	22/12/1980	Reliable limit 60m3/s	
1981	8.665	1.605	29.826	17/03/1982	Reliable limit 60m3/s	
1982	8.82	1.76	34.662	21/12/1982	Reliable limit 60m3/s	
1983	8.915	1.855	37.761	09/02/1984	Reliable limit 60m3/s	
1984	8.56	1.5	26.711	20/08/1985	Reliable limit 60m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1985	8.66	1.6	29.675	26/01/1986	Reliable limit 60m3/s	
1986	8.84	1.78	35.306	20/12/1986	Reliable limit 60m3/s	
1987	8.785	1.725	33.863	06/02/1988	Reliable limit 60m3/s	
1988	8.515	1.455	25.702	25/03/1989	Reliable limit 60m3/s	
1989	9.07	2.01	43.382	12/02/1990	Reliable limit 60m3/s	
1990	8.965	1.905	39.77	05/01/1991	Reliable limit 60m3/s	
1991	8.745	1.685	32.6	11/01/1992	Reliable limit 60m3/s	
1992	8.71	1.65	31.51	08/12/1992	Reliable limit 60m3/s	
1993	9.15	2.09	46.213	23/12/1993	Reliable limit 60m3/s	
1994	9.35	2.29	53.587	01/02/1995	Reliable limit 60m3/s	
1995	8.425	1.365	23.176	31/10/1995	Reliable limit 60m3/s	
1996	8.69	1.63	30.894	26/02/1997	Reliable limit 60m3/s	
1997	8.885	1.825	37.1	09/01/1998	Reliable limit 60m3/s	
1998	8.87	1.81	36.607	05/01/1999	Reliable limit 60m3/s	
1999	9.35	2.29	53.587	27/12/1999	Reliable limit 60m3/s	
2000	8.845	1.785	35.792	02/11/2000	Reliable limit 60m3/s	
2001	9.03	1.97	41.992	11/02/2002	Reliable limit 60m3/s	
2002	8.7	1.64	31.201	14/11/2002	Reliable limit 60m3/s	
2003	8.62	1.56	32.473	17/01/2004	Reliable limit 60m3/s	
2004	8.73	1.67	36.263	13/01/2005	Reliable limit 60m3/s	
2005	8.545	1.485	29.982	27/09/2006	Reliable limit 60m3/s	
2006	9.11	2.05	50.547	12/12/2006	Reliable limit 68m3/s	
2007	9.09	2.03	49.751	23/01/2008	Reliable limit 68m3/s	
2008	8.829	1.769	39.809	26/01/2009	Reliable limit 68m3/s	
2009	9.75	2.69	78.497	24/11/2009	Reliable limit 68m3/s	
2010	8.77	1.71	37.68	09/11/2010	Reliable limit 68m3/s	
2011	8.95	1.89	42.429	08/12/2011	Reliable limit 68m3/s	
2012	8.858	1.798	39.046	23/11/2012	Reliable limit 68m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
2013	9.236	2.176	53.618	06/02/2014	Reliable limit 68m3/s	
2014	8.882	1.822	34.884	18/01/2015	Reliable limit 68m3/s	
2015	9.526	2.466	57.431	13/12/2015	Reliable limit 68m3/s	
2016	8.885	1.825	34.979	09/03/2017	Reliable limit 68m3/s	
2017	9.221	2.161	46.223	28/01/2018	Reliable limit 68m3/s	
2018	9.056	1.996	40.552	19/03/2019		
2019	9.452	2.392	54.627	27/02/2020	Reliable limit 68m3/s	

14.10 AM Flood Flow Series River Shannone at Athlone 26027

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1952	34.741	4.27	157	08/11/1952		from Athlone FRS Hydrology
1953	35.041	4.57	185	27/02/1954		from Athlone FRS Hydrology
1954	35.871	5.4	312.5	14/12/1954		from Athlone FRS Hydrology
1955	34.741	4.27	157	31/01/1956		from Athlone FRS Hydrology
1956	35.521	5.05	255	05/01/1957		from Athlone FRS Hydrology
1957	34.971	4.5	177	27/02/1958		from Athlone FRS Hydrology
1958	35.101	4.63	193	08/01/1959		from Athlone FRS Hydrology
1959	35.651	5.18	275	29/12/1959		from Athlone FRS Hydrology
1960	35.421	4.95	239	06/02/1961		from Athlone FRS Hydrology
1961	35.301	4.83	219	15/12/1961		from Athlone FRS Hydrology
1962	34.951	4.48	175	15/12/1962		from Athlone FRS Hydrology
1963	35.451	4.98	243	27/11/1963		from Athlone FRS Hydrology
1964	35.711	5.24	283	23/01/1965		from Athlone FRS Hydrology
1965	35.631	5.16	271	28/11/1965		from Athlone FRS Hydrology
1966	35.071	4.6	189	19/12/1966		from Athlone FRS Hydrology
1967	35.551	5.08	259	18/01/1968		from Athlone FRS Hydrology
1968	35.621	5.15	270	24/01/1969		from Athlone FRS Hydrology
1969	35.181	4.71	204	25/02/1970		from Athlone FRS Hydrology
1970	35.171	4.7	203	30/11/1970		from Athlone FRS Hydrology

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1971	34.861	4.39	167	10/04/1972		from Athlone FRS Hydrology
1972	34.781	4.31	161	17/12/1972		from Athlone FRS Hydrology
1973	35.331	4.86	226	18/01/1974		from Athlone FRS Hydrology
1974	35.651	5.18	275	30/01/1975		from Athlone FRS Hydrology
1975	34.981	4.51	178	12/01/1976		from Athlone FRS Hydrology
1976	35.291	4.82	220	25/02/1977		from Athlone FRS Hydrology
1977	35.091	4.62	192	14/11/1977		from Athlone FRS Hydrology
1978	35.201	4.73	207	17/12/1978		from Athlone FRS Hydrology
1979	35.571	5.1	263	17/12/1979		from Athlone FRS Hydrology
1980	35.331	4.86	225	29/12/1980		from Athlone FRS Hydrology
1981	35.361	4.89	230	16/03/1982		from Athlone FRS Hydrology
1982	35.441	4.97	242	08/01/1983		from Athlone FRS Hydrology
1983	35.511	5.04	252	08/02/1984		from Athlone FRS Hydrology
1984	35.111	4.64	195	28/12/1984		from Athlone FRS Hydrology
1985	35.121	4.65	196	10/10/1985		from Athlone FRS Hydrology
1986	35.521	5.05	255	20/12/1986		from Athlone FRS Hydrology
1987	35.591	5.12	266	09/02/1988		from Athlone FRS Hydrology
1988	35.091	4.62	191	23/03/1989		from Athlone FRS Hydrology
1989	35.781	5.31	297	13/02/1990		from Athlone FRS Hydrology
1990	35.741	5.27	290	05/01/1991		from Athlone FRS Hydrology
1991	35.071	4.6	189	13/01/1992		from Athlone FRS Hydrology
1992	35.331	4.86	225.755	23/01/1993	330	
1993	35.531	5.06	256.029	04/01/1994	330	
1994	35.801	5.33	300.092	02/02/1995	330	
1995	34.931	4.46	174.121	17/02/1996	330	
1996	35.501	5.03	251.36	01/03/1997	330	
1997	35.431	4.96	240.641	11/01/1998	330	
1998	35.451	4.98	243.679	23/01/1999	330	
1999	35.821	5.35	303.503	30/12/1999	330	
2000	35.591	5.12	265.662	15/12/2000	330	
2001	35.801	5.33	300.262	11/02/2002	330	
2002	35.601	5.13	267.259	16/11/2002	330	
2003	35.131	4.66	197.617	07/02/2004	330	
2004	35.621	5.15	270.468	10/01/2005	330	
2005	34.701	4.23	153.545	18/01/2006	330	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
2006	35.831	5.36	305.388	13/12/2006	330	
2008	35.391	4.92	234.03	06/02/2009	330	
2009	36.321	5.85	396.387	25/11/2009	330	
2010	35.371	4.9	232.095	12/02/2011	330	
2011	35.471	5	246.889	08/12/2011	330	
2012	35.411	4.94	237.925	04/02/2013	330	
2013	35.782	5.311	297.04	23/02/2014	330	
2014	35.447	4.976	243.222	15/01/2015	330	
2015	36.346	5.875	400.532	05/01/2016	330	
2016	35.204	4.733	207.71	10/03/2017	330	
2017	35.731	5.26	288.481	28/01/2018	330	
2018	35.512	5.041	253.222	22/03/2019	330	
2019	36.093	5.622	352.095	29/02/2020	330	
2020	35.64	5.169	273.536	05/02/2021	330	

14.11 Annual Maximum Flood Flow Series River Moy at Rahan's (34001)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1968	5.23	1.78	119.306	11/02/1969	180	
1969	4.571	2.1	165.922	20/02/1970	180	
1970	4.471	2	150.635	04/11/1970	180	
1971	4.421	1.95	143.235	21/11/1971	180	
1972	4.331	1.86	130.329	12/12/1972	180	
1973	4.631	1.76	177.005	17/01/1974	180	
1974	4.949	1.92	163.769	22/01/1975	180	
1975	4.509	1.48	134.572	11/01/1976	180	
1976	4.379	1.35	116.617	21/01/1977	180	
1977	4.649	1.62	155.153	18/11/1977	180	
1978	4.749	1.72	170.633	16/11/1978	180	
1979	4.889	1.86	193.379	26/11/1979	180	
1980	4.984	1.95	208.655	03/11/1980	180	
1981	4.764	1.73	172.216	12/03/1982	180	
1982	4.824	1.79	181.851	20/12/1982	180	
1983	4.904	1.87	195.051	02/02/1984	180	
1984	4.754	1.72	170.633	21/09/1985	180	
1985		null		01/10/1985	180	No Remark
1986	4.925	1.97	212.119	06/12/1986	180	
1987	4.725	1.77	178.614	19/01/1988	180	
1988	4.555	1.6	152.135	13/03/1989	180	
1989	5.325	2.37	286.56	30/10/1989	180	
1990	4.995	2.04	224.437	06/01/1991	180	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1991	4.715	1.76	177.005	09/01/1992	180	
1992	4.795	1.84	190.054	24/01/1993	180	
1993	4.725	1.77	178.614	29/12/1993	180	
1994	4.755	1.8	183.478	29/01/1995	180	
1995	4.505	1.55	144.702	26/10/1995	180	
1996	4.585	1.63	129.52	08/03/1997	180	
1997	4.936	1.98	213.86	11/01/1998	180	
1998	4.666	1.71	169.056	26/01/1999	180	
1999	4.966	2.01	219.121	25/12/1999	180	
2000	4.686	1.73	172.216	13/12/2000	180	
2001	4.846	1.89	142.723	11/02/2002	No Valid rating (obstruction in channel)	
2002	4.756	1.8	133.606	10/11/2002	Weir removed 04/03	
2003	4.556	1.6	114.163	02/02/2004	180	
2004	4.716	1.76	177.005	09/01/2005	180	
2005	4.286	1.33	113.955	20/01/2006	180	
2006	4.956	2	217.361	15/12/2006	180	
2007	4.786	1.83	188.896	10/12/2007	180	
2008	4.586	1.63	156.672	26/01/2009	180	
2009	5.036	2.08	230.71	26/11/2009	180	
2010	4.696	1.74	173.806	08/02/2011	180	
2011	4.801	1.845	190.883	30/11/2011	180	
2012	4.543	1.587	150.2	27/01/2013	180	
2013	4.898	1.942	207.3	08/01/2014	180	
2014	4.866	1.91	201.8	16/01/2015	180	
2015	5.374	2.418	296.1	07/12/2015	278	
2016	4.372	1.416	125.6	04/03/2017	278	
2017	4.723	1.767	178.1	24/01/2018	278	
2018	4.764	1.808	184.8	17/03/2019	278	
2019	4.998	2.042	224.8	25/02/2020	278	

14.12 Annual Maximum Flood Flow Series Cong Canal at Cong Weir (30031)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1979	10.438	1.4	84.602	18/02/1980	87	
1980	10.478	1.44	91.354	24/12/1980	87	
1981	10.408	1.37	79.737	12/03/1982	87	
1982	10.508	1.47	96.62	09/01/1983	87	
1983	10.508	1.47	96.62	06/02/1984	87	
1984	10.408	1.37	79.737	26/12/1984	87	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1985	10.395	1.38	73.36	06/10/1985	87	
1986	10.635	1.62	115.243	17/12/1986	87	
1987	10.505	1.49	91.182	09/02/1988	87	
1988	10.395	1.38	73.36	23/03/1989	87	
1989	10.625	1.61	113.274	26/02/1990	87	
1990	10.535	1.52	96.442	05/01/1991	87	
1991	10.425	1.41	77.995	13/03/1992	87	
1992	10.555	1.54	100.045	23/01/1993	87	
1993	10.505	1.49	91.182	13/01/1994	87	
1994	10.64	1.625	116.235	18/02/1995	87	
1995	10.175	1.16	44.322	18/02/1996	87	
1996	10.435	1.42	79.577	02/03/1997	87	
1997	10.475	1.46	86.095	10/01/1998	87	
1998	10.555	1.54	100.045	23/01/1999	87	
1999	10.585	1.57	105.596	29/12/1999	87	
2000	10.575	1.56	103.726	18/12/2000	87	
2001	10.535	1.52	96.442	10/02/2002	87	
2002	10.435	1.42	79.577	02/12/2002	87	
2003	10.27	1.255	49.091	06/02/2004	87	
2004	10.46	1.445	75.04	22/01/2005	87	
2005	10.285	1.27	50.907	12/11/2005	87	
2006	10.655	1.64	108.629	15/12/2006	87	
2007	10.52	1.505	84.602	09/02/2008	87	
2008	10.345	1.33	58.565	25/10/2008	87	
2009	10.575	1.56	93.966	27/11/2009	87	
2010	10.355	1.34	59.903	10/02/2011	87	
2011	10.575	1.56	93.966	05/01/2012	87	
2012	10.506	1.491	82.31	31/01/2013	87	
2013	10.679	1.664	113.27	27/02/2014	87	
2014	10.508	1.493	82.64	15/01/2015	87	
2015		null	160	01/10/2015	87	data missing 29/12/15 - 04/01/16
2016	10.308	1.293	53.77	08/03/2017	87	
2017	10.448	1.433	73.21	29/01/2018	87	
2018	10.413	1.398	68.02	23/12/2018	87	
2019	10.619	1.604	101.88	24/02/2020	87	

14.13 Annual Maximum Flood Flow Series Clare River at Claregalway (30012)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1996	2.56	8.164	90.6	26/02/1997		
1997	2.826	8.43	108.2	06/01/1998		
1998	2.727	8.331	101.5	17/01/1997		
1999	3.19	8.794	134.5	24/12/1999		
2000	2.873	8.477	111.5	07/11/2000		
2001	3.012	8.616	121.3	06/02/2002		
2002	2.614	8.218	94.1	11/11/2002		
2003	2.739	8.343	102.3	04/02/2004		
2004	3.043	8.647	123.6	10/01/2005		
2005	2.604	8.208	93.5	25/10/2005		
2006	3.22	8.824	136.7	07/12/2006		
2007	3.005	8.609	120.8	10/12/2007		
2008	3.076	8.68	126.0	12/10/2008		
2009	3.579	9.183	165.3	22/11/2009		
2010	3.097	8.701	127.5	08/02/2011		
2011	3.317	8.921	111.8	02/12/2011		
2012	3.013	8.617	95.0	09/01/2013		
2013	3.114	8.726	100.5	01/01/2014		
2014	2.98	8.592	93.2	16/01/2015		
2015	3.744	9.356	137.2	09/12/2016		
2016	3.8	8.498	91.2	05/03/2017		
2017	3.97	8.668	101.4	25/01/2018		
2018	4.02	8.718	104.5	02/09/2019		
2019	4.365	9.063	128.1	25/02/2020		
2020	4.074	8.772	107.9	01/11/2020		

14.14 Annual Maximum Flood Flow Series Slaney at Scarrawalsh (12001)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1955	8.692	2.63	103.9	14/12/1955		No gauging, rating applied retrospectively
1956	8.902	2.84	195.4	29/12/1956		No gauging, rating applied retrospectively
1957	8.312	2.25	219.8	26/06/1958		No gauging, rating applied retrospectively
1958	8.192	2.13	154	22/12/1958		No gauging, rating applied retrospectively
1959	9.052	2.99	141.6	07/12/1959		No gauging, rating applied retrospectively
1960	8.132	2.07	237.8	03/10/1960		No gauging, rating applied retrospectively

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m ³ /s)	Date	Reliable Range m ³ /s	Comments
1961	8.502	2.44	135.5	30/09/1962		No gauging, rating applied retrospectively
1962	8.382	2.32	174.3	14/02/1963		No gauging, rating applied retrospectively
1963	8.312	2.25	161.3	19/03/1964		No gauging, rating applied retrospectively
1964	10.132	4.07	154	12/12/1964		No gauging, rating applied retrospectively
1965	8.382	2.32	381	18/11/1965		No gauging, rating applied retrospectively
1966	7.802	1.74	161.3	18/10/1966		No gauging, rating applied retrospectively
1967	8.262	2.2	103.9	17/10/1967		No gauging, rating applied retrospectively
1968	8.292	2.23	148.8	25/12/1968		No gauging, rating applied retrospectively
1969	7.652	1.59	151.9	18/01/1970		No gauging, rating applied retrospectively
1970	8.592	2.53	90.6	21/01/1971		No gauging, rating applied retrospectively
1971	8.547	2.52	184.2	02/02/1972	200	
1972	8.027	2	180.7	20/01/1973	200	
1973	8.047	2.02	126.4	12/09/1974	200	
1974	7.447	1.42	128.4	25/01/1975	200	
1975	8.047	2.02	74.4	21/03/1976	200	
1976	8.667	2.64	138.9	03/02/1977	200	
1977	8.847	2.82	206.1	23/02/1978	200	
1978	8.607	2.58	227.3	28/12/1978	200	
1979	8.077	2.05	199.2	21/01/1980	200	
1980	8.3	2.27	139.4	28/03/1981	200	
1981	8.05	2.02	166.7	20/12/1981	200	
1982	7.93	1.9	140.6	07/11/1982	200	
1983	8.25	2.22	128.6	21/12/1983	200	
1984	8.85	2.82	161.3	15/12/1984	200	
1985	8.21	2.18	203.1	26/08/1986	200	
1986	8.36	2.33	138.1	11/12/1986	200	
1987	8.21	2.18	152.6	19/01/1988	200	
1988	7.87	1.84	138.1	26/10/1988	200	
1989	7.49	1.46	107.3	17/12/1989	200	
1990	7.88	1.85	76.1	02/01/1991	200	
1991	8.69	2.66	108.1	01/11/1991	200	
1992	8.55	2.52	186.1	12/06/1993	200	
1993	8.87	2.84	171.6	04/02/1994	200	
1994	8.69	2.66	205.3	10/03/1995	200	
1995	8.23	2.2	186.1	04/01/1996	200	
1996	8.98	2.95	140	20/11/1996	200	
1997	8.77	2.74	215.7	18/11/1997	200	
1998	7.71	1.68	192.9	30/12/1998	200	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1999	9.687	3.66	92.5	25/12/1999	200	
2000	7.917	1.89	298.9	06/11/2000	200	
2001	8.817	2.79	110.3	08/10/2001	200	
2002	7.867	1.84	194.5	28/11/2002	200	
2003	9.007	2.98	102.9	08/01/2004	200	
2004	8.127	2.1	215.1	29/10/2004	200	
2005	8.507	2.48	126	03/11/2005	200	
2006	8.668	2.641	162.5	03/12/2006	200	
2007	8.387	2.36	178.9	17/08/2008	200	
2008	9.087	3.06	150.6	30/01/2009	200	
2009	8.151	2.124	224	16/01/2010	200	
2010	8.267	2.24	128.2	17/11/2010	200	
2011	8.887	2.86	139.1	25/10/2011	200	
2012	8.735	2.708	202	23/03/2013	200	
2013	9.157	3.13	185.9	05/02/2014	200	
2014	9.347	3.32	231.9	14/11/2014	200	
2015	7.858	1.831	253.8	30/12/2015	200	
2016	8.901	2.874	102.2	15/12/2016	200	
2017	9.021	2.994	203.5	15/03/2018	200	
2018	8.561	2.534	216.7	16/12/2018	200	
2019	8.764	2.737	167.9	19/12/2019	200	
2020	8.764	2.737	188.9	24/02/2021	200	

14.15 Annual Maximum Flood Flow Series Suck river at Bellagill (26007)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1952	42.275	2.155	68	02/09/1953	Reliable limit 196m3/s	
1953	42.38	2.26	76	16/11/1953	Reliable limit 196m3/s	
1954	42.86	2.74	137	20/10/1954	Reliable limit 196m3/s	
1955	42.25	2.13	67	29/01/1956	Reliable limit 196m3/s	
1956	42.71	2.59	112	31/12/1956	Reliable limit 196m3/s	
1957	42.73	2.61	115	15/02/1958	Reliable limit 196m3/s	
1958	42.28	2.16	69	02/01/1959	Reliable limit 196m3/s	
1959	42.619	2.499	99	29/12/1959	Reliable limit 196m3/s	
1960	42.528	2.408	87	06/12/1960	Reliable limit 196m3/s	
1961	42.54	2.42	88	14/12/1961	Reliable limit 196m3/s	
1962	42.47	2.35	83	12/12/1962	Reliable limit 196m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1963	42.589	2.469	95	26/11/1963	Reliable limit 196m3/s	
1964	42.65	2.53	103	11/10/1964	Reliable limit 196m3/s	
1965	42.7	2.58	111	21/11/1965	Reliable limit 196m3/s	
1966	42.33	2.21	72	28/02/1967	Reliable limit 196m3/s	
1967	42.68	2.56	108	11/10/1967	Reliable limit 196m3/s	
1968	42.924	2.804	148	05/11/1968	Reliable limit 196m3/s	
1969	42.558	2.438	91	23/12/1969	Reliable limit 196m3/s	
1970	42.543	2.423	89	03/11/1970	Reliable limit 196m3/s	
1971	42.17	2.05	62	12/01/1972	Reliable limit 196m3/s	
1972	42.32	2.2	72	15/12/1972	Reliable limit 196m3/s	
1973	42.57	2.45	92	03/12/1973	Reliable limit 196m3/s	
1974	42.58	2.46	93	26/01/1975	Reliable limit 196m3/s	
1975	42.46	2.34	82	11/01/1976	Reliable limit 196m3/s	
1976	42.39	2.27	77	09/02/1977	Reliable limit 196m3/s	
1977	42.69	2.57	109	11/11/1977	Reliable limit 196m3/s	
1978	42.43	2.31	80	14/12/1978	Reliable limit 196m3/s	
1979	42.58	2.46	93	28/11/1979	Reliable limit 196m3/s	
1980	42.42	2.3	79	14/12/1980	Reliable limit 196m3/s	
1981	42.43	2.31	80	14/03/1982	Reliable limit 196m3/s	
1982	42.54	2.42	88	25/11/1982	Reliable limit 196m3/s	
1983	42.66	2.54	105	18/01/1984	Reliable limit 196m3/s	
1984	42.5	2.38	85	24/09/1985	Reliable limit 196m3/s	
1985	42.45	2.33	81	23/12/1985	Reliable limit 196m3/s	
1986	42.61	2.49	98	27/11/1986	Reliable limit 196m3/s	
1987	42.52	2.4	87	07/02/1988	Reliable limit 196m3/s	
1988	42.24	2.12	66	29/12/1988	Reliable limit 196m3/s	
1989	42.76	2.64	120	08/02/1990	Reliable limit 196m3/s	
1990	42.62	2.5	99	07/01/1991	Reliable limit 196m3/s	
1991	42.45	2.33	81	10/01/1992	Reliable limit 196m3/s	
1992	42.54	2.42	88	16/06/1993	Reliable limit 196m3/s	
1993	42.5	2.38	85	16/12/1993	Reliable limit 196m3/s	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1994	42.67	2.55	106	31/01/1995	Reliable limit 196m3/s	
1995	42.48	2.36	83	30/10/1995	Reliable limit 196m3/s	
1996	42.63	2.51	100	22/02/1997	Reliable limit 196m3/s	
1997	42.53	2.41	87	11/01/1998	Reliable limit 196m3/s	
1998	42.49	2.37	84	20/01/1999	Reliable limit 196m3/s	
1999	42.78	2.66	123	29/12/1999	Reliable limit 196m3/s	
2000	42.46	2.34	82	08/11/2000	Reliable limit 196m3/s	
2001	42.73	2.61	115	06/02/2002	Reliable limit 196m3/s	
2002	42.51	2.39	86	31/10/2002	Reliable limit 196m3/s	
2003	42.42	2.3	79	06/02/2004	Reliable limit 196m3/s	
2004	42.66	2.54	105	11/01/2005	Reliable limit 196m3/s	
2005	42.14	2.02	60	24/09/2006	Reliable limit 196m3/s	
2006	42.82	2.7	130	08/12/2006	Reliable limit 196m3/s	
2007	42.607	2.487	97	11/12/2007	Reliable limit 196m3/s	
2008	42.522	2.402	87	02/02/2009	Reliable limit 196m3/s	
2009	43.292	3.172	224	21/11/2009	Reliable limit 196m3/s	
2010	42.72	2.6	114	09/02/2011	Reliable limit 196m3/s	
2011	42.62	2.5	99	03/12/2011	Reliable limit 196m3/s	
2012	42.484	2.364	81	02/01/2013	Reliable limit 196m3/s	
2013	42.7	2.58	111	01/01/2014	Reliable limit 196m3/s	
2014	42.716	2.596	113	17/11/2014	Reliable limit 196m3/s	
2015	43.192	3.072	201	07/12/2015	Reliable limit 196m3/s	
2016	42.548	2.428	89	06/03/2017	Reliable limit 196m3/s	
2017	42.738	2.618	116	26/01/2018	Reliable limit 196m3/s	
2018	42.692	2.572	109	18/03/2019	Reliable limit 196m3/s	
2019	42.917	2.797	147	25/02/2020	Reliable limit 196m3/s	
2020	42.709	2.589	112	02/11/2020	Reliable limit 196m3/s	

14.16 Annual Maximum Flood Flow Series River Suir at Cahir Park (16009)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1953	37.307	2.22	169.6	03/12/1953	190	
1954	37.447	2.36	190.82	31/12/1954	190	
1955	36.937	1.85	116.86	13/01/1956	190	
1956	37.547	2.46	206.64	25/09/1957	190	
1957	37.407	2.32	184.65	27/08/1958	190	
1958	36.927	1.84	115.84	19/12/1958	190	
1959	37.247	2.16	153.04	10/12/1959	190	
1960	37.687	2.6	229.7	04/12/1960	190	
1961	36.867	1.78	109.75	16/03/1962		
1962	37.077	1.99	131.61	09/02/1963	190	
1963	37.257	2.17	156.92	31/10/1963	190	
1964	37.567	2.48	209.87	12/12/1964	190	
1965	37.497	2.41	198.35	10/12/1965		
1966	37.227	2.14	148.15	23/02/1967	190	
1967	36.977	1.89	121.01	09/01/1968	190	
1968	37.637	2.55	221.35	25/12/1968	190	
1969	37.247	2.16	150.41	21/02/1970	190	
1970	37.097	2.01	133.77	29/11/1970	190	
1971	37.217	2.13	147.36	03/02/1972		
1972	36.937	1.85	116.35	20/01/1973	190	
1973	37.407	2.32	184.65	01/02/1974	190	
1974	37.247	2.16	150.41	26/01/1975	190	
1975	37.197	2.11	163.67	30/01/1976	190	
1976	36.887	1.8	128.93	16/02/1977	190	
1977	37.107	2.02	153.83	23/02/1978	190	
1978	37.387	2.3	204.24	28/12/1978	190	
1979	37.237	2.15	168.39	27/12/1979	190	
1980	36.847	1.76	125.21	20/12/1980	190	
1981	36.977	1.89	139.23	29/12/1981	190	
1982	37.237	2.15	169.05	09/11/1982	190	
1983	37.397	2.31	205.84	07/02/1984	190	
1984	36.727	1.64	112.78	09/02/1985	190	
1985	37.277	2.19	186.4	26/08/1986	190	
1986	36.957	1.87	136.49	11/12/1986	190	
1987	37.317	2.23	193.16	04/02/1988	190	
1988	37.337	2.25	196.3	12/10/1988	190	
1989	37.537	2.45	228.86	07/02/1990	190	
1990	37.127	2.04	156.12	29/12/1990	190	
1991	37.147	2.06	158.43	25/11/1991	190	
1992	36.747	1.66	114.81	30/05/1993	190	
1993	37.287	2.2	188.5	16/01/1994	190	
1994	37.387	2.3	204.24	10/03/1995	190	
1995	37.337	2.25	196.3	09/01/1996	190	

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1996	37.357	2.27	199.46	05/08/1997	190	
1997	37.337	2.25	196.3	18/11/1997	190	
1998	37.337	2.25	184.65	30/12/1998	190	
1999	37.247	2.16	162.89	25/12/1999	190	
2000	37.497	2.41	210.68	06/11/2000	190	
2001	37.167	2.08	149.81	26/02/2002	190	
2002	37.157	2.07	148.74	27/11/2002	190	
2003	36.707	1.62	103.53	15/11/2003	190	
2004	37.437	2.35	200.25	29/10/2004	190	
2005	36.897	1.81	121.85	04/11/2005	190	
2006	37.227	2.14	156.33	08/12/2006	190	
2007	37.427	2.34	199.46	11/01/2008	190	
2008	37.397	2.31	194.73	31/01/2009	190	
2009	37.507	2.42	212.31	20/11/2009	190	
2010	37.197	2.11	153.06	07/02/2011	190	
2011	36.897	1.81	121.85	06/01/2012	190	
2012	37.137	2.05	146.6	19/01/2013	190	
2013	37.497	2.41	198.67	05/02/2014	190	
2014	37.318	2.231	171.22	15/11/2014	190	
2015	37.595	2.508	214.43	02/01/2016	190	
2016	36.999	1.912	124.54	05/03/2017	190	
2017	37.317	2.23	171.08	22/01/2018	190	
2018	37.146	2.059	139.62	17/03/2019	190	
2019	37.294	2.207	167.68	25/02/2020	190	
2020	37.373	2.286	179.47	24/02/2021	190	

14.17 Annual Maximum Flood Flow Series River Suir at Clonmel (16011)

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1953	19.385	2.56	null	04/12/1953		Ratings under review
1954	19.295	2.47	null	01/01/1955		Ratings under review
1955	18.865	2.04	null	12/12/1955		Ratings under review
1956	19.845	3.02	null	25/09/1957		Ratings under review
1957	19.345	2.52	null	28/08/1958		Ratings under review
1958	18.955	2.13	null	19/12/1958		Ratings under review
1959	19.115	2.29	null	02/02/1960		Ratings under review
1960	19.975	3.15	null	04/12/1960		Ratings under review
1961	18.625	1.8	null	15/03/1962		Ratings under review
1962	19.055	2.23	null	09/02/1963		Ratings under review
1963	19.505	2.68	null	19/03/1964		Ratings under review

1964	19.475	2.65	null	13/12/1964		Ratings under review
1965	19.785	2.96	null	17/11/1965		Ratings under review
1966	18.895	2.07	null	23/02/1967		Ratings under review
1967	18.655	1.83	null	07/11/1967		Ratings under review
1968	19.995	3.17	null	14/12/1968		Ratings under review
1969	18.835	2.01	null	23/02/1970		Ratings under review
1970	18.865	2.04	null	24/11/1970		Ratings under review
1971	19.335	2.51	null	15/01/1972		Ratings under review
1972	19.598	2.65	234.82	20/01/1973	311m3/s	
1973	19.878	2.93	279.26	02/02/1974	311m3/s	
1974	19.468	2.52	215.42	26/01/1975	311m3/s	
1975	19.608	2.66	236.35	30/01/1976	311m3/s	
1976	19.268	2.32	190.82	23/02/1977	311m3/s	
1977	19.968	3.02	294.31	23/02/1978	311m3/s	
1978	20.108	3.16	318.45	28/12/1978	311m3/s	
1979	19.668	2.72	245.59	28/12/1979	311m3/s	
1980	19.258	2.31	189.81	28/03/1981	311m3/s	
1981	19.678	2.73	247.15	29/12/1981	311m3/s	
1982	19.658	2.71	244.04	09/11/1982	311m3/s	
1983	19.918	2.97	285.9	08/02/1984	311m3/s	
1984	19.228	2.28	181.78	09/02/1985	311m3/s	
1985	19.898	2.95	282.57	27/08/1986	311m3/s	
1986	19.518	2.57	222.79	13/12/1986	311m3/s	
1987	19.748	2.8	258.18	04/02/1988	311m3/s	
1988	20.068	3.12	311.46	12/10/1988	311m3/s	
1989	20.378	3.43	367.51	07/02/1990	311m3/s	
1990	19.298	2.35	191.23	02/01/1991	311m3/s	
1991	19.678	2.73	247.15	25/11/1991	311m3/s	
1992	19.168	2.22	175.82	31/05/1993	311m3/s	
1993	19.818	2.87	269.43	16/01/1994	311m3/s	
1994	20.498	3.55	390.37	11/03/1995	311m3/s	
1995	20.488	3.54	333.71	07/01/1996	311m3/s	
1996	20.238	3.29	292.55	05/08/1997	311m3/s	
1997	20.408	3.46	320.26	18/11/1997	311m3/s	
1998	19.978	3.03	244.47	30/12/1998	311m3/s	
1999	19.588	2.64	193.42	26/12/1999	311m3/s	
2000	20.698	3.75	352.95	06/11/2000	311m3/s	
2001	19.448	2.5	176.44	04/02/2002	311m3/s	
2002	19.588	2.64	193.42	28/11/2002	311m3/s	
2003	18.958	2.01	133.35	04/02/2004	311m3/s	
2004	20.708	3.76	354.58	29/10/2004	311m3/s	
2005	19.368	2.42	189.37	04/11/2005	311m3/s	
2006	19.548	2.6	207.09	01/12/2006	311m3/s	
2007	20.108	3.16	264.81	11/01/2008	311m3/s	
2008	20.458	3.51	308.4	31/01/2009	311m3/s	
2009	20.658	3.71	338.57	20/11/2009	311m3/s	

2010	19.248	2.3	177.79	07/02/2011	311m3/s	
2011	19.468	2.52	199.16	17/08/2012	311m3/s	
2012	19.458	2.51	198.18	18/01/2013	311m3/s	
2013	20.438	3.49	305.45	06/02/2014	311m3/s	
2014	19.906	2.958	243.55	14/11/2014	311m3/s	
2015	20.951	4.003	385.01	30/12/2015	311m3/s	
2016	19.041	2.093	158.29	05/03/2017	311m3/s	
2017	19.687	2.739	220.86	15/03/2018	311m3/s	
2018	19.6	2.652	212.29	16/12/2018	311m3/s	
2019	20.192	3.244	273.78	22/11/2019	311m3/s	
2020	20.351	3.403	292.77	24/02/2021	311m3/s	

14.18 Annual Maximum Water Level Series Lough Mask – Caher Pier 30081

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1952	19.876	1.314	null	27/12/1952		Water Level Only
1953	20.394	1.832	null	04/04/1954		Water Level Only
1954	21.192	2.63	null	16/12/1954		Water Level Only
1955	19.891	1.329	null	05/02/1956		Water Level Only
1956	20.898	2.336	null	04/02/1957		Water Level Only
1957	20.363	1.801	null	15/02/1958		Water Level Only
1958	19.967	1.405	null	08/01/1959		Water Level Only
1959	21.232	2.67	null	04/01/1960		Water Level Only
1960	21.199	2.637	null	10/02/1961		Water Level Only
1961	20.516	1.954	null	26/01/1962		Water Level Only
1962	19.799	1.237	null	15/12/1962		Water Level Only
1963	20.403	1.841	null	29/11/1963		Water Level Only
1964	20.79	2.228	null	24/01/1965		Water Level Only
1965	20.595	2.033	null	11/03/1966		Water Level Only
1966	20.302	1.74	null	14/03/1967		Water Level Only
1967	20.44	1.878	null	03/11/1967		Water Level Only
1968	20.668	2.106	null	25/01/1969		Water Level Only
1969	20.391	1.829	null	26/02/1970		Water Level Only
1970	20.135	1.573	null	27/01/1971		Water Level Only
1971	19.899	1.337	null	19/02/1972		Water Level Only
1972	20.352	1.79	null	05/01/1973		Water Level Only
1973	20.962	2.4	null	10/02/1974		Water Level Only
1974	20.94	2.41	null	01/02/1975		Water Level Only
1975	20.15	1.62	null	13/01/1976		Water Level Only
1976	20.38	1.85	null	11/02/1977		Water Level Only
1977	20.73	2.2	null	23/11/1977		Water Level Only
1978	20.48	1.95	null	17/12/1978		Water Level Only
1979	21.01	2.48	null	01/10/1979		Max recorded was 2.48m in Dec and

						Jan but it went above this level.
1980	20.75	2.22	null	02/01/1981		Water Level Only
1981	20.73	2.2	null	12/03/1982		Water Level Only
1982	21.04	2.51	null	14/01/1983		Water Level Only
1983	20.91	2.38	null	07/02/1984		Water Level Only
1984	20.38	1.85	null	08/12/1984		Water Level Only
1985	20.45	1.925	null	10/10/1985		Water Level Only
1986	21.245	2.72	null	19/12/1986		Water Level Only
1987	20.86	2.335	null	09/02/1988		Water Level Only
1988	20.51	1.985	null	23/03/1989		Water Level Only
1989	21.36	2.835	null	07/02/1990		Water Level Only
1990	20.72	2.195	null	07/01/1991		Water Level Only
1991	20.47	1.945	null	13/03/1992		Water Level Only
1992	20.86	2.335	null	23/01/1993		Water Level Only
1993	20.78	2.255	null	13/01/1994		Water Level Only
1994	20.92	2.395	null	04/02/1995		Water Level Only
1995	19.765	1.24	null	19/02/1996		Water Level Only
1996	20.51	1.985	null	03/03/1997		Water Level Only
1997	20.66	2.135	null	15/01/1998		Water Level Only
1998	21.005	2.48	null	29/01/1999		Water Level Only
1999	20.845	2.32	null	08/01/2000		Water Level Only
2000	20.815	2.29	null	15/12/2000		Water Level Only
2001	20.585	2.06	null	10/03/2002		Water Level Only
2002	20.175	1.65	null	05/12/2002		Water Level Only
2003	20.155	1.63	null	06/02/2004		Water Level Only
2004	20.79	2.265	null	22/01/2005		Water Level Only
2005	19.885	1.36	null	11/11/2005		Water Level Only
2006	21.415	2.89	null	16/12/2006		Water Level Only
2007	20.715	2.19	null	09/02/2008		Water Level Only
2008	20.25	1.725	null	31/10/2008		Water Level Only
2009	20.995	2.47	null	08/12/2009		Water Level Only
2010	20.335	1.81	null	11/02/2011		Water Level Only
2011	21.095	2.57	null	05/01/2012		Water Level Only
2012	20.678	2.153	null	30/01/2013		Water Level Only
2013	21.626	3.101	null	25/02/2014		Water Level Only
2014	20.846	2.321	null	15/01/2015		Water Level Only
2015	22.006	3.481	null	04/01/2016		Logger malfunction. Surveyed from flood mark.
2016	20.01	1.485	null	20/03/2017		Water Level Only
2017	20.786	2.261	null	28/01/2018		Water Level Only
2018	20.637	2.112	null	23/12/2018		Water Level Only
2019	21.525	3	null	29/02/2020		Water Level Only

14.19 Annual Maximum Water Level Series Lough Corrib – Cong Pier 30084

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1972	9.283	1.13	null	12/12/1972		Water Level Only
1973	9.533	1.38	null	28/01/1974		Water Level Only
1974	9.603	1.45	null	30/01/1975		Water Level Only
1975	9.216	1.12	null	13/01/1976		Water Level Only
1976	9.154	1.12	null	09/02/1977		Water Level Only
1977	9.794	1.76	null	11/11/1977		Estimated level, possible recorder error
1978	9.274	1.24	null	07/12/1978		Water Level Only
1979	9.524	1.49	null	16/12/1979		Water Level Only
1980	9.344	1.31	null	23/12/1980		Water Level Only
1981	9.284	1.25	null	11/03/1982		Water Level Only
1982	9.424	1.39	null	08/01/1983		Water Level Only
1983	9.384	1.35	null	21/01/1984		Water Level Only
1984	9.269	1.235	null	07/12/1984		Water Level Only
1985	9.282	1.24	null	11/10/1985		Water Level Only
1986	9.722	1.68	null	12/12/1986		Water Level Only
1987	9.482	1.44	null	08/02/1988		Water Level Only
1988	9.242	1.2	null	23/03/1989		Water Level Only
1989	9.752	1.71	null	19/02/1990		Water Level Only
1990	9.562	1.52	null	07/01/1991		Water Level Only
1991	9.302	1.26	null	09/09/1992		Water Level Only
1992	9.332	1.29	null	23/01/1993		Water Level Only
1993	9.442	1.4	null	09/01/1994		Water Level Only
1994	9.637	1.595	null	02/02/1995		Water Level Only
1995	9.022	0.98	null	29/10/1995		Water Level Only
1996	9.422	1.38	null	01/03/1997		Water Level Only
1997	9.462	1.42	null	12/01/1998		Water Level Only
1998	9.382	1.34	null	23/01/1999		Water Level Only
1999	9.612	1.57	null	02/01/2000		Water Level Only
2000	9.402	1.36	null	17/12/2000		Water Level Only
2001	9.502	1.46	null	11/02/2002		Water Level Only
2002	9.202	1.16	null	13/11/2002		Water Level Only
2003	9.152	1.11	null	05/02/2004		Water Level Only
2004	9.452	1.41	null	11/01/2005		Water Level Only
2005	9.112	1.07	null	07/11/2005		Water Level Only
2006	9.862	1.82	null	13/12/2006		Water Level Only
2007	9.427	1.385	null	08/02/2008		Water Level Only
2008	9.332	1.29	null	29/10/2008		Water Level Only
2009	9.842	1.8	null	25/11/2009		Water Level Only
2010	9.212	1.17	null	12/02/2011		Water Level Only
2011	9.452	1.41	null	03/01/2012		Water Level Only
2012	9.275	1.233	null	31/01/2013		Water Level Only

2013	9.706	1.664	null	26/02/2014		Water Level Only
2014	9.465	1.423	null	14/01/2015		Water Level Only
2015	9.969	1.927	null	31/12/2015		Water Level Only
2016	9.171	1.129	null	08/03/2017		Water Level Only
2017	9.496	1.454	null	28/01/2018		Water Level Only
2018	9.359	1.317	null	20/03/2019		Water Level Only
2019	9.905	1.863	null	29/02/2020		

14.20 Annual Maximum Water Level Series Lough Corrib – Anglisham 30089

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1980	9.302	1.335	null	01/12/1980		Water Level Only
1981	9.344	1.31	null	10/03/1982		Water Level Only
1982	9.259	1.225	null	26/11/1982		Water Level Only
1983	9.624	1.59	null	09/02/1984		Water Level Only
1984	9.254	1.22	null	27/12/1984		Water Level Only
1985	9.206	1.19	null	24/01/1986		Water Level Only
1986	10.006	1.99	null	19/01/1987		Water Level Only
1987	9.586	1.57	null	10/02/1988		Water Level Only
1988	9.246	1.23	null	22/03/1989		Water Level Only
1989	9.766	1.75	null	27/02/1990		Water Level Only
1990	9.536	1.52	null	10/01/1991		Water Level Only
1991	9.336	1.32	null	13/03/1992		Water Level Only
1993	9.376	1.36	null	01/07/1994		Water Level Only
1994	9.586	1.57	null	02/01/1995		Water Level Only
1995	9.066	1.05	null	17/02/1996		Water Level Only
1996	9.361	1.35	null	26/02/1997		Water Level Only
1997	9.321	1.31	null	13/01/1998		Water Level Only
1998	9.401	1.39	null	26/01/1999		Water Level Only
1999	9.631	1.62	null	26/12/1999		Water Level Only
2001	9.431	1.42	null	13/02/2002		Water Level Only
2002	9.241	1.23	null	15/11/2002		Water Level Only
2003	9.181	1.17	null	07/02/2004		Water Level Only
2004	9.376	1.365	null	11/01/2005		Water Level Only
2005	9.111	1.1	null	22/05/2006		Water Level Only
2006	9.851	1.84	null	15/12/2006		Water Level Only
2007	9.561	1.55	null	02/02/2008		Water Level Only
2008	9.371	1.36	null	28/10/2008		Water Level Only
2009	9.847	1.836	null	29/11/2009		Water Level Only
2010	9.301	1.29	null	11/11/2010		Water Level Only
2011	9.571	1.56	null	04/01/2012		Water Level Only
2012	9.272	1.261	null	01/02/2013		Water Level Only
2013	9.678	1.667	null	28/02/2014		Water Level Only

2014	9.439	1.428	null	18/01/2015		Water Level Only
2015	9.984	1.973	null	02/01/2016		Water Level Only
2016	9.164	1.153	null	08/03/2017		Water Level Only
2017	9.511	1.5	null	31/01/2018		Water Level Only
2018	9.37	1.359	null	17/03/2019		Water Level Only
2019	9.889	1.878	null	29/02/2020		Water Level Only

14.21 Annual Maximum Water Level Series Lough Corrib – Annaghdown Pier 30081

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1972	9.18	1.24	null	15/12/1972		Water Level Only
1973	9.3	1.36	null	16/01/1974		Water Level Only
1974	9.5	1.56	null	27/01/1975		Water Level Only
1975	9.253	1.3	null	11/01/1976		Water Level Only
1976	9.123	1.17	null	08/02/1977		Water Level Only
1977	9.473	1.52	null	15/11/1977		Water Level Only
1978	9.183	1.23	null	15/12/1978		Water Level Only
1979	9.553	1.6	null	19/12/1979		Water Level Only
1980	9.293	1.34	null	05/01/1981		Water Level Only
1981	9.223	1.27	null	16/03/1982		Water Level Only
1982	9.333	1.38	null	14/02/1983		Water Level Only
1983	9.503	1.55	null	08/02/1984		Water Level Only
1984	9.123	1.17	null	05/12/1984		Water Level Only
1985	9.153	1.2	null	10/10/1985		Water Level Only
1986	9.603	1.65	null	08/12/1986		Water Level Only
1987	9.603	1.65	null	09/02/1988		Water Level Only
1988	9.233	1.28	null	22/03/1989		Water Level Only
1989	9.743	1.79	null	11/02/1990		Water Level Only
1990	9.713	1.76	null	05/01/1991		Water Level Only
1991	9.273	1.32	null	13/03/1992		Water Level Only
1992	9.293	1.34	null	24/01/1993		Water Level Only
1993	9.423	1.47	null	05/01/1994		Water Level Only
1994	9.518	1.565	null	03/02/1995		Water Level Only
1995	8.973	1.02	null	18/02/1996		Water Level Only
1996	9.273	1.32	null	25/02/1997		Water Level Only
1997	9.323	1.37	null	12/01/1998		Water Level Only
1998	9.303	1.35	null	20/01/1999		Water Level Only
1999	9.558	1.605	null	25/12/1999		Water Level Only
2000	9.323	1.37	null	07/12/2000		Water Level Only
2001	9.293	1.34	null	05/02/2002		Water Level Only
2002	9.136	1.183	null	15/11/2002		Water Level Only
2003	9.103	1.15	null	07/02/2004		Water Level Only
2004	9.363	1.41	null	18/01/2005		Water Level Only
2005	8.964	1.011	null	22/05/2006		Water Level Only

2006	9.777	1.824	null	15/12/2006		Water Level Only
2007	9.383	1.43	null	03/02/2008		Water Level Only
2008	9.253	1.3	null	26/10/2008		Water Level Only
2009	9.793	1.84	null	25/11/2009		Water Level Only
2010	9.273	1.32	null	11/11/2010		Water Level Only
2011	9.463	1.51	null	05/01/2012		Water Level Only
2012	9.231	1.278	null	31/01/2013		Water Level Only
2013	9.648	1.695	null	12/02/2014		Water Level Only
2014	9.441	1.488	null	15/01/2015		Water Level Only
2015	9.877	1.924	null	02/01/2016		Water Level Only
2016	9.105	1.152	null	08/03/2017		Water Level Only
2017	9.459	1.506	null	31/01/2018		Water Level Only
2018	9.283	1.33	null	19/03/2019		Water Level Only
2019	9.858	1.905	null	29/02/2020		Water Level Only

14.22 Annual Maximum Water Level Series River Corrib – Salmon Weir Barrage (u/s) 30099

Hydrometric Year	Water Level (mOD)	S.G. Reading (m)	Estimated Flows (m3/s)	Date	Reliable Range m3/s	Comments
1990	5.873	0.355	null	04/07/1991		
1991	5.868	0.35	null	08/05/1992		
1992	5.923	0.405	null	25/10/1992		
1993	5.918	0.4	null	02/08/1994		
1994	5.908	0.39	null	02/10/1994		
1995	5.928	0.41	null	11/06/1996		
1996	5.943	0.425	null	04/02/1997		
1997	5.988	0.47	null	29/04/1998		
1998	6.018	0.5	null	12/04/1999		
1999	5.943	0.425	null	25/04/2000		
2000	6.008	0.49	null	29/04/2001		
2001	6.128	0.61	null	07/03/2002		
2002	6.088	0.57	null	17/03/2003		Amax water level reached through artificial circumstances i.e. safety concerns led to the temporary closure of all sluice gates
2003	6.198	0.68	null	23/03/2004		
2004	6.033	0.515	null	26/05/2005		
2005	6.023	0.505	null	08/05/2006		
2006	6.108	0.59	null	07/10/2006		
2007	6.018	0.5	null	06/07/2008		
2008	6.048	0.53	null	25/04/2009		
2009	5.933	0.415	null	29/11/2009		
2010	5.998	0.48	null	17/07/2011		
2011	6.008	0.49	null	03/04/2012		

2012	6.07	0.552	null	12/02/2013		
2013	5.988	0.47	null	07/05/2014		
2014	5.999	0.481	null	13/07/2015		
2015	5.986	0.468	null	02/01/2016		
2016	5.967	0.449	null	29/06/2017		
2017	6.009	0.491	null	23/08/2018		
2018	6.013	0.495	null	04/06/2019		
2019	6.016	0.498	null	09/07/2020		
2020	6.021	0.503	null	21/05/2021		

14.23 Annual maximum flood level series at Galway (Wolfe Tone Bridge 30061)

Hydrometric Year	Water (Tides) Level (mOD)	S.G. Reading (m)	Date	comment
1992	3.214	3.04	01/11/1993	Tidal Peaks
1993	3.174	3.00	01/12/1994	Tidal Peaks
1994	3.434	3.26	17/01/1995	Tidal Peaks
1995	2.974	3.8	25/10/1995	Tidal Peaks
1996	3.574	4.4	02/10/1997	Tidal Peaks
1997	3.024	3.85	16/10/1997	Tidal Peaks
1998	3.084	3.91	01/03/1999	Tidal Peaks
1999	3.254	4.08	25/12/1999	Tidal Peaks
2000	3.014	3.84	12/12/2000	Tidal Peaks
2001	3.514	4.34	01/02/2002	Tidal Peaks
2002	2.934	3.76	08/10/2002	Tidal Peaks
2003	2.817	3.643	02/08/2004	Tidal Peaks
2004	3.124	3.95	08/01/2005	Tidal Peaks
2005	3.134	3.96	30/03/2006	Tidal Peaks
2006	3.174	4.00	20/02/2007	Tidal Peaks
2007	2.874	3.70	27/10/2007	Tidal Peaks
2008	2.889	3.712	22/08/2009	Tidal Peaks
2009	3.06	3.883	02/03/2010	Tidal Peaks
2010	3.021	3.844	08/10/2010	Tidal Peaks
2011	2.893	3.716	29/10/2011	Tidal Peaks
2012	3.127	3.95	14/12/2012	Tidal Peaks
2013	3.629	4.452	01/02/2014	Tidal Peaks
2014	3.093	3.916	03/08/2015	Tidal Peaks
2015	3.087	3.91	28/10/2015	Tidal Peaks
2016	2.974	3.797	16/10/2016	Tidal Peaks
2017	3.854	4.677	02/01/2018	Tidal Peaks
2018	3.3	4.123	12/10/2018	Tidal Peaks
2019	3.257	4.080	18/12/2019	Tidal Peaks
2020	3.083		15/11/2020	Tidal Peaks
2021	3.223		07/12/2021*	Tidal Peaks

14.24 Annual maximum series of tides at Oranmore (29015)

Year	m OD Malin	Stage (m)	Date	comment
1982	2.870	1.79	08/09/1983	Tidal Peaks
1983	2.940	1.86	19/02/1984	Tidal Peaks
1984	3.100	2.02	23/11/1984	Tidal Peaks
1985	2.880	1.80	28/03/1986	Tidal Peaks
1986	2.980	1.90	03/12/1986	Tidal Peaks
1987	3.080	2.00	27/09/1988	Tidal Peaks
1988	3.150	2.07	09/03/1989	Tidal Peaks
1989	3.110	2.03	26/02/1990	Tidal Peaks
1990	3.460	2.38	05/01/1991	Tidal Peaks
1991	2.990	1.91	29/08/1992	Tidal Peaks
1992	3.130	2.05	12/01/1993	Tidal Peaks
1993	3.220	2.14	12/01/1994	Tidal Peaks
1994	3.550	2.47	17/01/1995	Tidal Peaks
1995	3.000	1.92	28/09/1996	Tidal Peaks
1996	3.540	2.46	10/02/1997	Tidal Peaks
1997	3.050	1.97	30/03/1998	Tidal Peaks
1998	3.160	2.08	02/01/1999	Tidal Peaks
1999	2.950	1.87	26/12/1999	Tidal Peaks
2000	3.050	1.97	09/03/2001	Tidal Peaks
2001	3.320	2.24	02/02/2002	Tidal Peaks
2002	2.840	1.76	08/10/2002	Tidal Peaks
2003	2.940	1.86	19/03/2004	Tidal Peaks
2004	3.340	2.26	08/01/2005	Tidal Peaks
2005	3.090	2.01	29/03/2006	Tidal Peaks
2006	3.060	1.98	20/02/2007	Tidal Peaks
2007	2.890	1.81	27/10/2007	Tidal Peaks
2008	2.885	1.805	22/08/2009	Tidal Peaks
2009	3.000	1.920	02/03/2010	Tidal Peaks
2010	3.000	1.920	08/10/2010	Tidal Peaks
2011	2.900	1.820	26/10/2011	Tidal Peaks
2012	3.084	2.004	14/12/2012	Tidal Peaks
2013	3.663	2.583	01/02/2014	Tidal Peaks
2014	3.095	2.015	03/08/2015	Tidal Peaks
2015	3.107	2.027	08/02/2016	Tidal Peaks
2016	2.948	1.868	16/10/2016	Tidal Peaks
2017	3.795	2.715	02/01/2018	Tidal Peaks
2018	3.257	2.177	12/10/2018	Tidal Peaks
2019	3.300	2.220	09/02/2020	Tidal Peaks
2020	3.199	2.119	14/11/2020	Tidal Peaks
2021	3.232	2.152	07/12/2021*	Tidal Peaks

15 Appendix 2 - Flow Rating Data

15.1 Flow – Stage Rating Measurements for River Corrib at Galway City 30061 (OPW)

Station number	Station name	Date	Time	Stage m	Flow cumec	Area m2	Mean velocity m/s	Remark
30061	Wolfe Tone Br	10/11/2021	11:49:10	1.66	155.842	261.5	0.596	Measured at Slipway in Dangan (30098) SGR = 0.295. 12 gates open since 05/10/2021.
30061	Wolfe Tone Br	02/11/2021	11:47:15	1.75	181.754	267.96	0.678	Measured at Slipway at Dangan (30098). SGR at Wolfe Tone = 1.782m
30061	Wolfe Tone Br	29/09/2021	14:16:03	1.22	64.058	241.9	0.265	Measured at Dangan slipway. Dry day. 4 gates open at Barrage for 5 days.
30061	Wolfe Tone Br	10/07/2020	10:44:27	1.45	95.223	272.7	0.349	Measured at Dangan, d/s of gauge. At concrete
30061	Wolfe Tone Br	09/03/2020	13:16:41	2.17	278.582	324.66	0.858	Measured d/s of gauge. Also entered under Wolfe Tone BRidge 30061. SGR = 2.170
30061	Wolfe Tone Br	02/03/2020	12:15:29	2.295	330.123	352.82	0.936	Measured d/s of gauge at Slip. Also entered under Wolfe Tone Bridge 30061. SGR = 2.295
30061	Wolfe Tone Br	11/02/2020	12:15:00	1.9	208.153	280.94	0.741	Measured d/s of gauge at concrete pier at Dangan. All 16 gates open at Weir d/s. SG at Wolfe Tone Bridge not readable, logger approx 1.9m.
30061	Wolfe Tone Br	03/09/2019	14:08:08	1.87	188.994	89.703	2.107	Measured at Spanish Arch steps. . a lot of rain recently.
30061	Wolfe Tone Br	19/12/2018	12:35:00	1.903	208.68	288.01	0.725	Measured at Dangan. Measured d/s of Gauge, at concrete.
30061	Wolfe Tone Br	19/12/2018	09:02:00	1.85	188.347	83.235	2.263	Measured d/s of Spanish Arch Steps. Weather: torrential rain & calm. 16 gates open u/s.
30061	Wolfe Tone Br	25/10/2018	14:44:00	1.32	74.438	257.76	0.289	Measured d/s of Gauge at Dangan. 4 gates open at Weir d/s.
30061	Wolfe Tone Br	25/10/2018	11:15:00	1.32	70.139	46.424	1.511	Measured d/s of Spanish Arch Steps.
30061	Wolfe Tone Br	25/10/2018	10:48:00	1.32	72.071	46.268	1.558	4 gates open. Measured 2m d/s of Spanish Arch Steps.
30061	Wolfe Tone Br	14/08/2018	14:25:00	0.855	20.865	25.552	0.817	Measured 10 d/s of Spanish Arch Steps.
30061	Wolfe Tone Br	14/08/2018	00:00:00	0.856	23.949	249.12	0.096	Measured at Dangan. Measured 40m d/s. Monitored boat with Binoculars on LB
30061	Wolfe Tone Br	29/03/2018	13:09:00	1.356	82.144	266.77	0.308	Measured at Dangan. Measured d/s from Gauge at Concrete. Gates open at Weir
30061	Wolfe Tone Br	29/03/2018	10:50:00	1.35	81.972	62.157	1.319	Measured 20m d/s of Spanish Arch Steps. No loop method used in 2nd measurement.4 gates
30061	Wolfe Tone Br	29/03/2018	10:22:00	1.35	81.662	57.403	1.423	Measured d/s of Spanish Arch steps. 4 gates open

30061	Wolfe Tone Br	06/02/2018	15:44:00	1.992	188.507	90.159	2.091	Note: Q is 30% greater than Q taken at Dangan later on that day, 6th Feb 18. Use this measurement with caution (PH - 06/02/18). Measured d/s of bridge - between Bridge & Spanish Arch. Weather - snow showers, dry & sun.
30061	Wolfe Tone Br	06/02/2018	11:24:00	2.007	243.797	310.72	0.785	Measured at Dangan. Measured 20m d/s. Slight breeze. Cold
30061	Wolfe Tone Br	01/02/2018	13:06:00	2.13	275.539	319.97	0.861	Measured at Dangan. Measured d/s of gauge. 1st & 2nd transects were inaccurate
30061	Wolfe Tone Br	18/01/2018	13:12:00	1.976	227.349	295.98	0.768	Measured at Dangan 20m d/s of station. Weather dry & cold. Short shower while FM was been taken. All 16 gates were open at the Weir. Flow taken with no obvious problems noted. Remote control boat worked well with no issues.
30061	Wolfe Tone Br	22/03/2016	10:10:00	1.68	155.185	70.739	2.194	Flow measurement taken in very turbulent, fast flowing aerated water. Large variation between alternate transects as a result. Treat result with caution.
30061	Wolfe Tone Br	27/01/2016	12:08:00	2.11	237.571	102.44	2.319	Measured d/s of bridge approx 57M. 16 gates open u/s at Weir. Transect 2 not included, started transect but had to restart.
30061	Wolfe Tone Br	26/11/2015	11:25:00	1.895	224.044	88.308	2.537	Measured 70m d/s of bridge. Large variation in results of transects when pulling from right to left. Not a particularly good location for flow measurements due to large obstruction in river approx 30m from left bank and angular wall at left bank.
30061	Wolfe Tone Br	29/10/2015	13:29:00	1.498	115.09	60.729	1.895	8 gates opened. Measured 10 d/s of bridge. Poor 2nd & 3rd transects due to stability of boat in turbulent water. Took an average of just 4 transects as it gives a more consistent result. New discharge Q = 115.09m ³ . SGR amended (1.61>1.498m) JC taken from logger data as staff very difficult to read.
30061	Wolfe Tone Br	29/10/2015	12:26:00	1.42	97.762	55.988	1.746	6 gates open. Poor 2nd transect measured due to stability of boat in turbulent water. Transects 1,2,3 & 4. SGR amended (1.490>1.420m) JC taken from logger data as staff very difficult to read.
30061	Wolfe Tone Br	29/10/2015	11:02:00	1.32	77.788	50.155	1.551	4 gates open. Measured 10 d/s of bridge. Poor 2nd transect measured due to stability of boat in turbulent water. Transects 1, 2, 3 & 4. SGR amended (1.360>1.320m) JC taken from logger data as staff very difficult to read.
30061	Wolfe Tone Br	29/10/2015	09:51:00	1.14	48.526	39.814	1.219	2 gates open. Measured 10m d/s of bridge. Transects 1,2,3 & 4.

30061	Wolfe Tone Br	22/01/2015	14:00:00	1.899	218.064	278.81	0.782	Taken at Quincentenary Bridge about 5m d/s br. WTB SG 1.905m
30061	Wolfe Tone Br	22/01/2015	13:51:00	1.899	214.619	88.47	2.426	Measured 70m d/s of bridge. 10 gates open
30061	Wolfe Tone Br	22/01/2015	13:50:00	2	214.619	88.47	2.426	Measured 70m d/s of bridge. Six gates closed.
30061	Wolfe Tone Br	22/01/2015	12:31:00	1.928	226.9255	90.306	2.513	Measured 70m d/s of bridge. 12 gates open.
30061	Wolfe Tone Br	22/01/2015	12:30:00	2.05	226.925	90.306	2.513	Measured 70m d/s of bridge. Four gates closed.
30061	Wolfe Tone Br	22/01/2015	12:29:00	1.927	232.234	273.58	0.849	Taken at Quincentenary Bridge about 5m d/s br. WTB SG 1.923m
30061	Wolfe Tone Br	22/01/2015	11:22:00	1.952	239.668	272.59	0.879	Taken at Quincentenary Bridge about 5m d/s Br. WTB SG 1.953
30061	Wolfe Tone Br	22/01/2015	11:19:00	1.952	238.102	93.804	2.538	Measured 70m d/s of bridge. 14 gates open.
30061	Wolfe Tone Br	22/01/2015	11:18:00	2.1	238.102	93.804	2.538	Measured 70m d/s of bridge. Two gates closed.
30061	Wolfe Tone Br	22/01/2015	10:09:00	1.982	246.344	267.66	0.92	Taken at Quincentenary Bridge, about 5m d/s Br. WTB SG 1.967m
30061	Wolfe Tone Br	22/01/2015	10:08:00	1.982	236.212	95.429	2.475	Measured 70m d/s of br. 16 gates open. Poor bottom tracking due to nature of bed, i.e. seaweed and algae growing on stones on bed of river.
30061	Wolfe Tone Br	22/01/2015	10:07:00	2.15	236.212	95.429	2.475	All gates open. Measured 70m d/s of bridge. Poor bottom tracking due to nature of bed, i.e. seaweed and algae growing on stones on bed of river.
30061	Wolfe Tone Br	22/01/2015	09:12:00	1.984	245.369	266.93	0.919	Taken at Quincentenary Bridge about 5m d/s Br. SG @ WTB 1.970m
30061	Wolfe Tone Br	21/01/2014	15:50:00	2.2015	256.933	277.91	0.925	Do ot use. WTB has a tidal influence - Taken at Quincentenary Bridge
30061	Wolfe Tone Br	31/08/2012	11:19:00	1.496	96.63	51.21	1.887	SG d/s of Bridge. 8 Gates open at Weir u/s. SGR amended (1.540>1.496m) to match logger data as staff gauge difficult to read.
30061	Wolfe Tone Br	19/07/2011	14:22:00	1.07	38.05	36.17	1.052	Taken from D/S of bridge
30061	Wolfe Tone Br	19/05/2011	10:15:00	1.1	41.933			Taken at Dangan - (only 3 transects) ADP wouldn't read well after 3rd Transect
30061	Wolfe Tone Br	21/04/2011	13:45:00	1.36	74.49	47.99	1.552	WT Br (stationary) SG reading d/s - 4 gates open at Galway Barrage. Dry, Sunny EN MM
30061	Wolfe Tone Br	06/07/2010	15:06:00	0.7	12.09			
30061	Wolfe Tone Br	17/06/2010	16:18:00	0.865	25.704			WT Br (stationary) SG reading d/s
30061	Wolfe Tone Br	13/10/2009	10:09:00	1.1	42.55			Quincentenial Br SG reading d/s

30061	Wolfe Tone Br	09/09/2009	10:40:00	1.78	187.1			Quincentennial Br SG reading d/s
30061	Wolfe Tone Br	21/08/2009	13:54:00	1.67	143.85			Quincentennial Br (transect) SG reading d/s
30061	Wolfe Tone Br	21/08/2009	12:50:00	1.69	114.86			taken at WTB (stationary) SG reading d/s. 05/11/15 This measurement was excluded. It disagrees with another measurement taken on the same day. This measurement was taken at WTB and the other was taken at Quincentennial Br. Later surveys using more advanced equipment has shown WTB to be equal to Quin. Br. This gauging was taken using older equipment which always struggled to measure the high velocities and turbulence at Wolfe Tone Bridge.
30061	Wolfe Tone Br	23/01/2008	12:00:00	2.28	271			
30061	Wolfe Tone Br	17/08/2007	12:01:00	1.4061	80.097			Quincentennial Br (stationary). Changed stage from 1.58m to 1.406 to convert to D/S level
30061	Wolfe Tone Br	17/08/2007	12:00:00	1.398	73.79			Quincentennial Br (transect). Changed from 1.57m to 1.398 to convert for d/s 6/6/13
30061	Wolfe Tone Br	31/07/2007	12:25:00	1.173	59.858			Quincentennial Br (transect). Changed from 1.28m to 1.173 to convert for d/s 6/6/13
30061	Wolfe Tone Br	31/07/2007	11:18:00	1.176	52.16			WTBr (stationary) Changed from 1.284m to 1.176m to convert for d/s 6/6/13
30061	Wolfe Tone Br	26/07/2007	10:24:00	1.475	104.13			Quincentennial Br (stationary). Changed from 1.615m to 1.475 to convert for d/s 6/6/13
30061	Wolfe Tone Br	26/07/2007	09:26:00	1.497	106.96			Quincentennial Br (transect). Changed from 1.65m to 1.497 to convert for d/s 6/6/13
30061	Wolfe Tone Br	26/07/2007	07:55:00	1.505	88.29			WT Br (stationary). Changed from 1.660m to 1.505 to convert for d/s 6/6/13
30061	Wolfe Tone Br	05/04/2007	13:11:00	1.152	71.886			WT Br (transect). Changed from 1.253m to 1.152 to convert for d/s 6/6/13
30061	Wolfe Tone Br	21/03/2007	14:05:00	1.761	216.1			Quincentennial Br (transect). Changed from 2.053m to 1.761 to convert for d/s 6/6/13
30061	Wolfe Tone Br	06/02/2007	15:22:00	1.756	218.78			Quincentennial Br (transect). Changed from 2.046m to 1.756 to convert for d/s 6/6/13
30061	Wolfe Tone Br	06/02/2007	12:00:00	1.755	218.78			Duplicate gauging. Changed from 2.045m to 1.755 to convert for d/s 6/6/13
30061	Wolfe Tone Br	29/06/2006	12:00:00	0.969	33.638			Changed from 1.025m to 0.969 to convert for d/s 6/6/13

30061	Wolfe Tone Br	20/10/2005	12:00:00	0.949	26.617			Changed from 1m to .949 to convert for d/s 6/6/13
30061	Wolfe Tone Br	18/05/2004	12:00:00	0.995	31.744			Changed from 1.056m to 0.995 to convert for d/s 6/6/13
30061	Wolfe Tone Br	11/09/2002	12:00:00	0.933	24.93			Changed from 0.980m to 0.933 to convert for d/s 6/6/13
30061	Wolfe Tone Br	04/12/2001	12:00:00	1.905	233			Changed from 2.250m to 1.905 to convert for d/s 6/6/13
30061	Wolfe Tone Br	12/01/2001	11:38:00	1.781	176.89			Quincentenal Br (stationary current meter).
30061	Wolfe Tone Br	13/03/2000	13:50:00	1.773	161.11			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	10/12/1999	12:57:00	2.028	241.23			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	06/12/1999	12:28:00	2.33	224.77			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	02/12/1999	13:30:00	2.335	220.74			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	11/05/1999	12:00:00	1.38	61.545			
30061	Wolfe Tone Br	21/01/1999	13:52:00	2.41	230.27			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	12/01/1999	13:30:00	2.32	209.36			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	25/11/1998	12:00:00	2.305	214.77			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	10/11/1998	12:00:00	2.195	189.5			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	10/08/1998	12:00:00	1.6	99.718			
30061	Wolfe Tone Br	09/04/1998	12:00:00	1.88	155.27			
30061	Wolfe Tone Br	12/01/1998	12:00:00	2.4	257.79			
30061	Wolfe Tone Br	25/11/1997	12:00:00	1.9	145.53			
30061	Wolfe Tone Br	17/09/1997	12:00:00	1.915	149.3			
30061	Wolfe Tone Br	04/06/1997	12:00:00	1.045	28.829			
30061	Wolfe Tone Br	29/08/1996	12:00:00	0.74	9.189			
30061	Wolfe Tone Br	23/05/1996	12:00:00	1.05	31.323			
30061	Wolfe Tone Br	07/02/1996	12:00:00	1.65	102.69			Quincentenal Br (stationary current meter)
30061	Wolfe Tone Br	21/09/1995	12:00:00	0.635	5.089			

30061	Wolfe Tone Br	01/08/1995	12:00:00	1.04	31.383			
30061	Wolfe Tone Br	16/05/1995	12:00:00	1.05	30.851			
30061	Wolfe Tone Br	25/08/1994	12:00:00	0.61	89.672			
30061	Wolfe Tone Br	08/06/1994	12:00:00	0.29	54.647			
30061	Wolfe Tone Br	15/09/1993	12:00:00	-0.16	13.657			
30061	Wolfe Tone Br	05/08/1993	12:00:00	0.183	44.906			
30061	Wolfe Tone Br	11/05/1993	12:00:00	0.145	37.865			
30061	Wolfe Tone Br	22/02/1993	12:00:00	0.54	86.046			
30061	Wolfe Tone Br	19/10/1992	12:00:00	0.03	33.501			WT Br (stationary current meter)
30061	Wolfe Tone Br	12/10/1992	12:00:00	-0.03	25.787			
30061	Wolfe Tone Br	05/08/1992	12:00:00	0.09	38.91			WT Br (stationary current meter)
30061	Wolfe Tone Br	22/06/1992	12:00:00	-0.03	29.794			
30061	Wolfe Tone Br	03/02/1992	12:00:00	0.5	98.531			
30061	Wolfe Tone Br	13/12/1991	12:00:00	0.17	94.77			Quincentennial Br (stationary current meter)
30061	Wolfe Tone Br	12/12/1991	12:00:00	0.19	103.33			Quincentennial Br (stationary current meter)
30061	Wolfe Tone Br	04/12/1991	12:00:00	0.27	155.59			Quincentennial Br (stationary current meter)
30061	Wolfe Tone Br	25/07/1991	12:00:00	0.225	52.161			
30061	Wolfe Tone Br	24/04/1991	12:00:00	0.595	102.18			
30061	Wolfe Tone Br	12/02/1991	12:00:00	0.515	97.956			
30061	Wolfe Tone Br	03/09/1990	12:00:00	-0.05	22.351			
30061	Wolfe Tone Br	11/06/1990	12:00:00	-0.012	25.429			
30061	Wolfe Tone Br	29/03/1990	12:00:00	0.795	176.25			Quincentennial Br (stationary current meter)
30061	Wolfe Tone Br	27/03/1990	12:00:00	0.855	192.59			
30061	Wolfe Tone Br	23/03/1990	12:00:00	0.91	214.83			Quincentennial Br (stationary current meter)

30061	Wolfe Tone Br	21/03/1990	12:00:00	0.93	228.25			Quincentenial Br (stationary current meter)
30061	Wolfe Tone Br	08/03/1990	12:00:00	1.03	263.87			Quincentenial Br (stationary current meter)
30061	Wolfe Tone Br	28/02/1990	12:00:00	1.1	333.93			OBriens Br
30061	Wolfe Tone Br	09/12/1987	12:00:00	0.197	46.495			
30061	Wolfe Tone Br	19/11/1987	12:00:00	0.74	176.64			
30061	Wolfe Tone Br	15/10/1987	12:00:00	0.517	104.89			
30061	Wolfe Tone Br	24/09/1987	12:00:00	0.515	109.12			
30061	Wolfe Tone Br	12/08/1987	12:00:00	0.25	11.28			
30061	Wolfe Tone Br	04/07/1974	12:00:00	-0.02	12.09			
30061	Wolfe Tone Br	08/04/1974	12:00:00	0.3	79.68			
30061	Wolfe Tone Br	27/11/1973	12:00:00	0.36	83.82			
30061	Wolfe Tone Br	08/11/1973	12:00:00	0.29	65.5			
30061	Wolfe Tone Br	10/10/1973	12:00:00	0.33	70.6			
30061	Wolfe Tone Br	25/09/1973	12:00:00	0.14	40.28			
30061	Wolfe Tone Br	21/09/1972	12:00:00	0	12.58			
30061	Wolfe Tone Br	04/10/1971	12:00:00	0	13.56			

15.2 Flow – Stage Rating Measurements for Clare River at Claregalway 30012 (EPA)

Station number	Station name	Date	Stage m above staff zero	Flow (m3/sec)
30012	CLAREGALWAY	05/07/2021	1.33	4.706
30012	CLAREGALWAY	28/04/2021	1.44	6.863
30012	CLAREGALWAY	09/03/2021	1.74	13.566
30012	CLAREGALWAY	30/11/2020	2.5125	34.890
30012	CLAREGALWAY	28/10/2020	2.695	44.439
30012	CLAREGALWAY	24/06/2020	1.3	4.474
30012	CLAREGALWAY	11/06/2020	1.208	2.925
30012	CLAREGALWAY	02/03/2020	3.55	71.635
30012	CLAREGALWAY	02/03/2020	3.65	79.550
30012	CLAREGALWAY	27/02/2020	4.0925	108.515
30012	CLAREGALWAY	17/07/2018	1.196	2.587
30012	CLAREGALWAY	28/06/2018	1.29	3.478
30012	CLAREGALWAY	17/08/2016	0.66	2.984
30012	CLAREGALWAY	12/02/2015	1.105	0.314
30012	CLAREGALWAY	12/02/2015	1.105	14.714
30012	CLAREGALWAY	10/12/2014	1.37	24.400
30012	CLAREGALWAY	24/02/2014	2.875	84.600
30012	CLAREGALWAY	13/08/2013	0.71	4.030
30012	CLAREGALWAY	17/01/2013	1.53	29.947
30012	CLAREGALWAY	08/01/2013	2.895	90.900
30012	CLAREGALWAY	10/08/2012	0.973	10.339
30012	CLAREGALWAY	29/06/2012	1.9	42.700
30012	CLAREGALWAY	27/06/2012	1.092	14.500
30012	CLAREGALWAY	30/03/2012	0.83	6.610
30012	CLAREGALWAY	02/02/2012	1.623	32.660
30012	CLAREGALWAY	30/01/2012	2.52	70.466
30012	CLAREGALWAY	18/01/2012	1.29	21.533
30012	CLAREGALWAY	18/06/2010	0.532	2.087
30012	CLAREGALWAY	15/06/2010	0.55	2.219
30012	CLAREGALWAY	24/11/2009	3.48	113.148
30012	CLAREGALWAY	21/11/2009	3.526	158.978

30012	CLAREGALWAY	29/06/2009	0.64319	3.852
30012	CLAREGALWAY	23/08/2006	0.363	0.982
30012	CLAREGALWAY	13/07/2006	0.522	2.519
30012	CLAREGALWAY	20/02/2006	1.095	16.417
30012	CLAREGALWAY	10/03/2005	0.765	6.665
30012	CLAREGALWAY	25/11/2004	1.26	24.815
30012	CLAREGALWAY	11/06/2004	0.531	2.964
30012	CLAREGALWAY	29/07/2002	0.667	4.364
30012	CLAREGALWAY	04/12/2001	2.595	93.076
30012	CLAREGALWAY	08/05/2001	0.74	6.227
30012	CLAREGALWAY	21/08/2000	0.49	2.092
30012	CLAREGALWAY	16/06/1999	0.57	3.292
30012	CLAREGALWAY	18/05/1999	0.79	8.293
30012	CLAREGALWAY	05/02/1999	1.208	20.670
30012	CLAREGALWAY	18/09/1998	0.733	6.068
30012	CLAREGALWAY	23/07/1998	1.06	12.188
30012	CLAREGALWAY	01/04/1998	1.055	16.058
30012	CLAREGALWAY	12/02/1998	2.15	72.105
30012	CLAREGALWAY	29/01/1998	1.32	27.459
30012	CLAREGALWAY	25/09/1997	0.895	10.398
30012	CLAREGALWAY	16/04/1997	0.615	4.606
30012	CLAREGALWAY	19/09/1996	0.162	0.188
30012	CLAREGALWAY	23/08/1996	0.302	0.754
30012	CLAREGALWAY	23/05/1996	0.615	4.031
30012	CLAREGALWAY	18/01/1996	1.25	24.252
30012	CLAREGALWAY	21/09/1995	0.192	0.257
30012	CLAREGALWAY	08/09/1995	0.216	0.360
30012	CLAREGALWAY	22/08/1995	0.3	0.693
30012	CLAREGALWAY	09/08/1995	0.356	1.137
30012	CLAREGALWAY	23/03/1995	1.165	20.304
30012	CLAREGALWAY	25/08/1994	1.15	15.692
30012	CLAREGALWAY	08/06/1994	0.686	5.926
30012	CLAREGALWAY	07/02/1994	2	54.133
30012	CLAREGALWAY	15/09/1993	0.433	1.571
30012	CLAREGALWAY	11/05/1993	0.692	5.407

30012	CLAREGALWAY	22/02/1993	0.9	11.751
30012	CLAREGALWAY	15/07/1992	0.438	1.891
30012	CLAREGALWAY	19/05/1992	0.89	10.118
30012	CLAREGALWAY	09/09/1991	0.31	0.639
30012	CLAREGALWAY	29/05/1991	0.583	4.159
30012	CLAREGALWAY	19/02/1991	1.111	19.553
30012	CLAREGALWAY	20/11/1990	1.62	39.886
30012	CLAREGALWAY	13/08/1990	0.378	1.411
30012	CLAREGALWAY	09/07/1990	0.76	6.452
30012	CLAREGALWAY	17/05/1990	0.645	4.911
30012	CLAREGALWAY	03/10/1989	0.52	2.996
30012	CLAREGALWAY	20/07/1989	0.332	1.093
30012	CLAREGALWAY	11/07/1989	0.385	1.528
30012	CLAREGALWAY	10/02/1986	9.999	12.560
30012	CLAREGALWAY	26/07/1984	9.999	0.054
30012	CLAREGALWAY	27/07/1981	9.999	3.962
30012	CLAREGALWAY	06/05/1980	9.999	3.604