



HYDRO-DATA

GENERAL STATION DETAILS			
Station Name: Clonbulloge	Station No: 14004	Watercourse: Figile	NGR: N 609 235
Catchment Area (km ²): 268	Catchment: Barrow	Gauge Type: AR	Datum: Poolbeg

SUMMARY HYDROMETRIC STATISTICS
Annual Average Rainfall (mm) ¹ : 850
Est'd Annual Losses (mm) ¹ : 456
Mean Annual Flow (m ³ /s): 8.815 (Data derived for the period 1972 to 2001)

STATION HISTORY
Period of Continuous Hardcopy Records: 1958 to 2005
Period of Digitised Record: 1972 to 2002

Note 1 : Data extracted from the Environmental Protection Agency publication 'Hydrological Data', July 1997

DURATION PERCENTILES							
Flows equalled or exceeded for the given percentage of time (m ³ /s) (Data derived for the period 1972 to 2001)							
1%	5%	10%	50%	80%	90%	95%	99%
23.0	15.8	13.0	6.73	5.22	4.85	4.71	4.60
Levels equalled or exceeded for the given percentage of time (mAOD Poolbeg) (Data derived for the period 1972 to 2002)							
1%	5%	10%	50%	80%	90%	95%	99%
67.72	67.35	67.18	66.81	66.67	66.62	66.59	66.55

COMMENTS / NOTES
Poor Low Flows

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Office of Public Works			
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HYDROMETRIC YEAR¹	WATER LEVEL (mAOD-Poolbeg)	S.G. READING (m)	ESTIMATED FLOWS (m³/s)	RELIABLE LIMIT² (m³/s)	DATE	COMMENTS / NOTES
1957	67.90	1.34	21.0	34	20/08/1958	
1958	67.77	1.21	18.3	34	27/12/1958	
1959	68.41	1.85	33.0	34	15/09/1960	
1960	68.27	1.71	29.5	34	09/10/1960	
1961	67.77	1.21	18.3	34	26/09/1962	
1962	67.74	1.18	17.7	34	08/12/1962	
1963	67.57	1.01	14.4	34	21/11/1963	
1964	68.19	1.63	27.6	34	13/12/1964	
1965	68.62	2.06	38.4	34	19/11/1965	
1966	67.96	1.40	22.4	34	28/02/1967	
1967	67.84	1.28	19.8	34	19/08/1968	
1968	68.53	1.97	36.0	34	26/12/1968	
1969	67.93	1.37	21.7	34	25/04/1970	
1970	67.69	1.13	16.7	34	04/11/1970	
1971	68.05	1.49	24.4	34	05/07/1972	
1972	67.67	1.11	16.2	34	13/11/1972	
1973	68.12	1.56	23.7	34	08/09/1974	
1974	68.21	1.65	25.7	34	28/09/1975	
1975	68.32	1.76	28.3	34	03/10/1975	
1976	67.81	1.25	17.1	34	22/02/1977	
1977	67.80	1.24	16.9	34	31/10/1977	
1978	68.17	1.61	27.1	34	28/12/1978	
1979	68.06	1.50	24.5	34	19/03/1980	
1980	68.11	1.55	25.7	34	23/10/1980	
1981	67.92	1.41	22.6	34	15/12/1981	
1982	68.01	1.50	24.6	34	01/02/1983	
1983	68.01	1.50	24.6	34	10/12/1983	
1984	67.88	1.37	21.6	34	15/12/1984	
1985	67.72	1.21	18.3	34	26/08/1986	
1986	67.75	1.24	18.9	34	19/01/1987	

Annual Maxima Data

1987	67.96	1.45	23.5	34	22/10/1987	
1988	67.54	1.03	14.8	34	23/09/1989	
1989	68.31	1.80	31.7	34	08/02/1990	
1990	67.53	1.02	14.6	34	13/04/1991	
1991	67.62	1.11	16.2	34	13/09/1992	
1992	68.16	1.65	27.9	34	13/06/1993	
1993	67.85	1.34	21.0	34	09/12/1993	
1994	68.24	1.73	29.9	34	29/01/1995	
1995	67.53	1.02	14.6	34	13/03/1996	
1996	67.46	0.95	13.2	34	01/09/1997	
1997	67.58	1.07	15.5	34	09/01/1998	
1998	67.57	1.06	15.4	34	06/01/1999	
1999	67.51	1.00	14.2	34	13/01/2000	
2000	67.97	1.46	23.7	34	08/11/2000	
2001	67.81	1.30	20.2	34	26/02/2002	
2002	67.47	0.96	13.5	34	15/11/2002	
2003	67.46	0.95	13.3	34	16/01/2004	
2004	67.64	1.13	16.7	34	08/01/2005	
2005	67.59	1.08	15.7	34	04/11/2005	
2006	67.64	1.13	16.7	34	07/08/2007	
2007	68.19	1.68	28.8	34	18/08/2008	
2008	67.55	1.04	15.0	34	04/09/2009	
2009	67.78	1.27	19.6	34	21/11/2009	

Note 1 : These are the highest recorded water levels or estimated flows in each available hydrometric year of record. A hydrometric year runs from 1st October in the given year to the 30th September the following year, i.e., the hydrometric year 2000 runs from 1st October 2000 to 30th September 2001.

Note 2 : Limit of Reliable Rating: Estimated flows greater than the values given have been derived from an extrapolation of the rating and should be treated with caution

STATION NAME
 STATION No.
 RIVER
 CATCHMENT

CLONBULLOGUE BRIDGE
 14004
 FIGILE
 BARROW

OFFICE OF PUBLIC WORKS
 HYDROMETRIC SECTION
 31-Jan-02

Annual Maximum Series of Recorded Water Levels and Estimated Flows

HYDROMETRIC YEAR	WATER LEVEL (mAOD - Poolbeg)	S.G. READING (m)	ESTIMATED FLOWS (m3/s)	DATE OF MAX FLOW
1957	67.9	1.34	21.05	20/08/1958
1958	67.77	1.21	18.33	27/12/1958
1959	68.41	1.85	32.96	15/09/1960
1960	68.27	1.71	29.51	09/10/1960
1961	67.77	1.21	18.33	26/09/1962
1962	67.74	1.18	17.72	08/12/1962
1963	67.57	1.01	14.40	21/11/1963
1964	68.19	1.63	27.59	13/12/1964
1965	68.62	2.06	38.40	19/11/1965
1966	67.96	1.40	22.35	28/02/1967
1967	67.84	1.28	19.78	19/08/1968
1968	68.53	1.97	36.03	26/12/1968
1969	67.93	1.37	21.70	25/04/1970
1970	67.69	1.13	16.72	04/11/1970
1971	68.05	1.49	24.36	05/07/1972
1972	67.67	1.11	16.23	13/11/1972
1973	68.12	1.56	23.68	08/09/1974
1974	68.21	1.65	25.73	28/09/1974
1975	68.32	1.76	28.30	03/10/1975
1976	67.81	1.25	17.11	22/02/1977
1977	67.8	1.24	16.92	31/10/1977
1978	68.17	1.61	27.12	28/12/1978
1979	68.06	1.50	24.47	19/03/1980
1980	68.11	1.55	25.73	23/10/1980
1981	67.92	1.41	22.57	15/12/1981
1982	68.01	1.50	24.58	01/02/1983
1983	68.01	1.50	24.58	10/12/1983
1984	67.88	1.37	21.59	15/12/1984
1985	67.72	1.21	18.33	26/08/1986
1986	67.75	1.24	18.94	19/01/1987
1987	67.96	1.45	23.46	22/10/1987
1988	67.54	1.03	14.78	23/09/1989
1989	68.31	1.80	31.71	08/02/1990
1990	67.53	1.02	14.59	13/04/1991
1991	67.62	1.11	16.23	13/09/1992
1992	68.16	1.65	27.95	13/06/1993
1993	67.85	1.34	21.05	09/12/1993
1994	68.24	1.73	29.87	29/01/1995
1995	67.53	1.02	14.59	13/03/1996
1996	67.46	0.95	13.20	01/09/1997
1997	67.58	1.07	15.55	09/01/1998
1998	67.57	1.06	15.35	06/01/1999
1999	67.51	1.00	14.22	13/01/2000
2000	67.97	1.46	23.68	08/11/2000

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Limit of reliable rating is 34 m3/s - Flow values above this have been extrapolated and should be treated with caution

Hydrometric years run from the 1st October to 30th September, e.g., hydrometric year 1980 begins on 1st October 1980.

Current Staff Gauge Zero = 66.51 mAOD (Poolbeg)

The Commissioners of Public Works will not be responsible for any loss or damage howsoever arising from the use or interpretation of these data.

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1982	68.01	1.50	24.58	01/02/1983
1983	68.01	1.50	24.58	10/12/1983
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1997	67.58	1.07	15.55	09/01/1998
1998	67.57	1.06	15.35	06/01/1999
1999	67.51	1.00	14.22	13/01/2000
2000	67.97	1.46	23.68	08/11/2000

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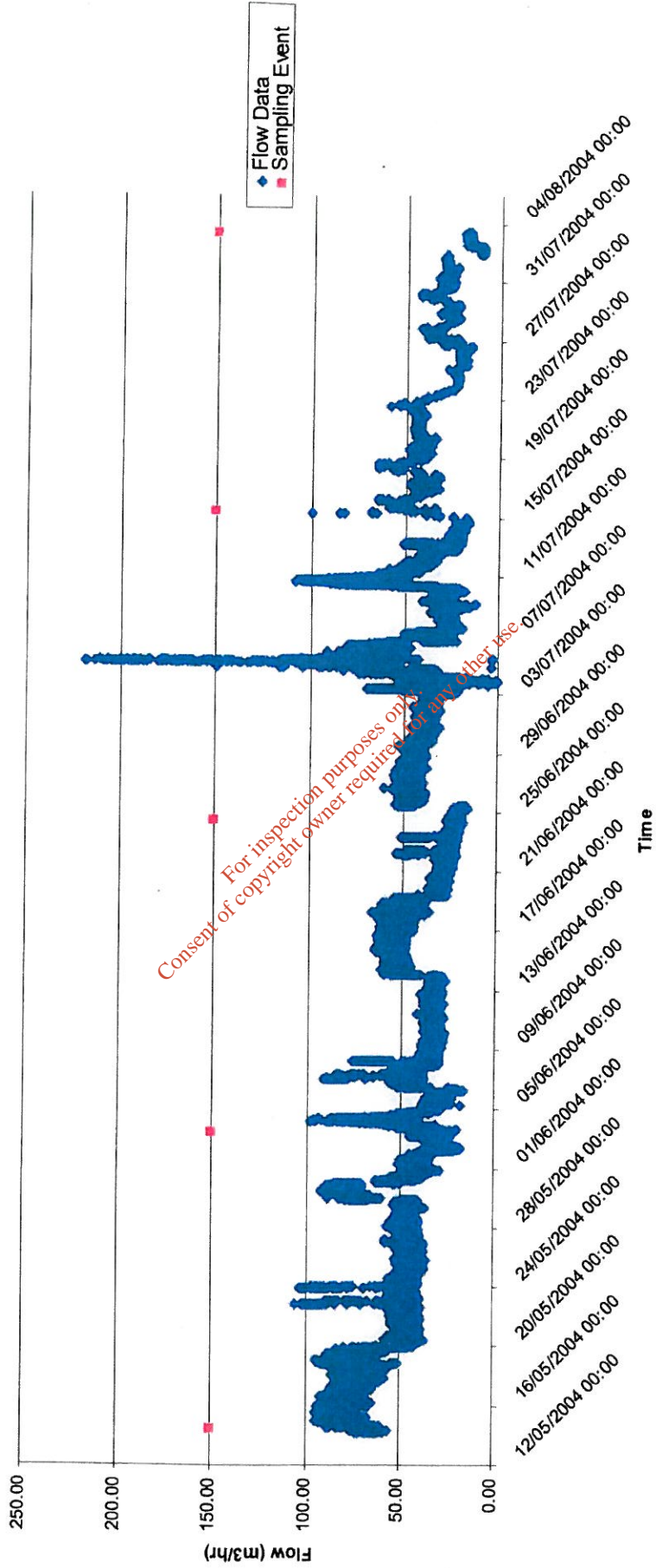
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Flow at THAWS1 Drehid Outfall



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Flow at THASW2 Temporary Weir

