

RAINFALL AT *Broughshane* *Quodie*

Lat. ....

Lon. ....

County of *Antrim*

Rain Gauge, by .....

Observer *J. Lanyon, Esq., C.E.**Ann. L. high E = 5*

Diameter ....		5									
Height .....		1. 1									
Altitude ....		800L									
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....		3.04	3.38	5.34	6.30	2.85	5.04	2.03	2.85	2.86	
February ....		4.33	3.80	4.65	3.42	3.94	2.59	1.25	1.40	2.64	
March .....		4.22	5.36	1.99	4.62	3.00	1.83	1.50	3.95	3.50	
April .....		1.49	3.21	1.95	1.87	3.46	1.26	1.69	2.10	3.75	
May .....	#	3.74	3.45	3.58	3.56	3.58	2.79	3.25	2.86	2.13	
June .....		1.52	5.02	6.02	2.33	1.25	1.00	1.54	1.01	3.81	.84
July .....		5.73	4.74	7.59	3.50	3.67	2.25	3.19	3.24	6.38	3.21
August .....		2.22	4.26	4.28	8.77	4.52	2.84	2.11	2.94	5.38	8.30
September ...		7.29	3.30	5.76	7.42	4.72	6.96	2.14	4.94	1.61	3.53
October ....		2.45	4.57	2.30	4.45	5.31	5.23	4.52	1.58	2.57	4.35
November ....		5.50	4.32	7.53	5.01	6.04	2.63	3.35	3.13	4.94	3.91
December ....		7.14	5.02	4.92	4.62	5.85	2.47	4.61	2.18	3.19	2.75
TOTALS ...		48.05	57.60	53.61	57.13	40.16	34.97	28.74	41.04	41.77	

1881. *Broughshane* 4 miles S.

House 15ft high 64ft S.E.

1882 Gauge moved.

House 15ft high 150ft S.E.

1883 Doubtful observer did not understand decimals

1885 March-June Records stolen.

RAINFALL AT Broughshane Duolie

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Antrim

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

Bann, L. height. E. 5.J. Lanyon Esq. Ch.  
H. O'Hara Esq.

Diameter ....	5										
Height .....	1 0				1 4						
Altitude ....	893										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	3.40	1.07	2.48	4.31	4.03	2.77	2.37	2.69	2.49	4.27	2.988
February ....	.89	.47	1.64	4.39	4.62	.95	2.96	2.49	3.75	2.31	2.447
March .....	2.48	2.29	.49	2.19	2.08	5.76	4.81	5.37	2.64	2.67	3.048
April .....	1.69	1.79	1.37	2.48	1.75	1.57	2.19	2.45	3.18	4.69	2.816
May .....	1.90	3.25	3.73	1.95	2.91	.79	1.17	2.42	4.94	5.14	2.820
June .....	3.76	1.39	3.22	3.41	3.56	2.44	4.29	6.95	3.74	2.27	3.503
July .....	3.93	3.87	3.75	3.99	6.80	4.26	6.35	3.37	1.07	4.32	4.171
August .....	3.59	5.02	5.16	6.41	3.78	4.16	3.64	6.20	4.22	1.98	4.416
September....	3.62	2.80	4.56	4.79	.75	.62	5.32	4.57	4.58	6.63	3.824
October .....	3.33	4.56	8.50	5.52	4.81	7.02	4.19	2.54	4.77	2.54	4.778
November....	8.19	2.96	4.74	4.17	2.78	2.91	1.52	2.98	3.81	3.03	3.709
December ....	1.84	2.85	4.52	4.25	3.16	3.65	4.96	4.63	4.02	6.68	4.056
TOTALS ....	38.62	32.32	44.16	47.86	41.03	36.90	43.77	46.66	43.21	46.53	42.106

1894 Broughshane Church 4 miles S  
Houses 25 ft high 150 ft S

RAINFALL AT *Broughshane, Quilic*

Lat. ....

Lon. ....

County of *Antwerp*

Rain Gauge, by .....

Observer *H. O'Hara Esq**Rain. L. high. E - 5.*

Diameter ..	5										
Height ....	1 4										
Altitude ..	893										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.09	3.49	3.12	5.78	3.98	3.02	5.59	2.99	3.33	4.22	4.061
February ..	5.98	2.03	1.43	2.94	3.66	2.87	3.28	2.04	3.90	3.05	3.118
March ....	3.16	2.97	2.98	4.54	1.76	3.61	3.74	5.32	5.33	4.58	3.999
April .....	6.00	3.78	2.36	2.43	2.42	3.85	4.10	2.70	2.82	3.83	3.429
May .....	4.87	1.48	6.08	3.19	2.23	2.37	5.02	4.00	3.43	2.55	3.522
June .....	4.63	4.33	2.67	2.60	1.71	2.05	1.82	7.02	4.48	2.85	3.416
July .....	2.83	.90	4.11	5.66	3.44	2.89	2.53	3.87	4.28	5.52	3.603
August ....	5.76	6.36	5.11	5.94	6.34	7.07	6.71	5.66	2.74	3.08	5.477
September ..	4.73	3.59	5.94	3.77	4.59	3.99	2.12	1.81	5.64	3.27	3.945
October ....	7.84	5.31	3.20	7.19	2.09	4.43	6.04	4.92	2.08	6.20	4.930
November ..	8.94	7.22	4.24	5.39	4.17	6.30	4.78	5.26	3.55	2.41	5.226
December ..	5.00	4.64	3.64	4.45	2.82	2.56	5.23	3.75	3.22	3.10	3.841
TOTALS ..	64.83	46.10	44.88	53.88	39.21	45.01	50.96	49.34	44.80	44.66	48.367

1907 Broughshane Church 5 miles S  
 Ballymena Station 9 " S  
 1908. Glenravel Church. 2 " E  
 1909 Corrected for wrong day.



RAINFALL at Droughishane QuolieCounty of AntwerpObserver H. O'Hara Esq. Cl.River Basin Bann - Lough Neagh East. 5.

Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	1.4									1.3		
Altitude ...	893									864		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals 1910-1919
January ...	2.28	2.82	4.19	4.60	3.13	3.38	3.76	4.22	2.86	5.18	36.42	16.02
February ...	5.03	4.24	3.83	1.09	3.96	4.11	4.13	2.41	4.88	1.76	35.74	13.18
March .....	2.47	2.13	6.48	3.46	4.90	1.99	2.69	2.99	1.70	5.57	34.38	12.95
April .....	3.61	3.08	4.10	4.42	2.58	3.44	6.31	4.31	2.29	2.21	26.35	15.12
May .....	1.16	2.87	3.71	3.26	2.76	.75	6.87	5.02	2.43	1.91	30.74	16.23
June .....	4.63	2.90	8.11	2.82	2.10	1.80	2.68	2.96	3.26	3.91	35.17	12.81
July .....	4.91	3.98	5.60	1.90	2.56	4.25	2.53	1.84	4.88	1.48	33.93	10.73
August .....	5.59	3.95	7.52	2.13	4.22	2.45	4.31	6.17	4.14	4.15	45.33	19.47
September ..	2.07	2.63	4.13	3.34	1.89	.66	2.73	3.14	8.24	3.20	32.03	17.31
October ...	3.05	4.61	5.09	4.65	1.84	3.02	8.09	8.60	3.94	3.08	46.00	23.71
November ..	6.80	4.55	5.57	3.47	4.61	3.14	5.93	7.77	4.51	4.20	50.55	22.41
December ...	5.61	7.63	5.19	4.20	9.80	7.20	5.36	4.75	5.20	7.69	62.63	23.00
TOTALS ...	47.51	45.39	63.52	39.37	44.35	36.19	55.39	54.18	48.33	45.04	479.27	202.74

1910 Corrected for drop day  
1911

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Ballymena	8 miles	N.	Brooklands	3 miles	SE
1912	54.57	6.10	"	8 "	SW.	Glenravel	3 miles	NW.

RAINFALL at Broughshane, LouthCounty of LouthObserver H. O'Hara Esq. C.E.River Basin L.ough E — 5Down Clerk Ballymena.Glaisher Rain Gauge, by  
(125)

Diameter ...	5			5								
Height .....	1 3			1 3								
Altitude ...	864			864								
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.96	6.22	4.75	5.12	3.32	2.94	5.55	4.85	6.37	1.58	4.06	TOTALS. 49.87
February ...	2.35	1.17	4.58	5.33	2.26	3.91	3.02	2.10	3.00	2.48	1.11	31.31
March .....	5.20	3.50	2.40	1.58	1.12	3.63	1.44	3.20	4.07	1.47	2.34	26.96
April .....	2.97	1.42	3.94	2.99	2.96	4.79	1.96	2.74	1.81	1.54	3.08	30.20
May .....	4.73	3.97	1.87	3.13	5.53	4.91	3.70	2.17	1.32	3.15	2.69	37.17
June .....	2.57	1.16	3.15	3.16	3.90	1.54	2.64	5.46	6.47	3.27	2.47	36.09
July .....	4.69	4.42	4.57	3.94	5.34	4.13	5.07	3.81	4.04	3.39	4.85	48.25
August .....	2.97	4.01	4.06	7.31	7.28	1.83	6.13	3.29	6.57	8.16	9.75	61.36
September...	4.57	1.96	2.97	5.75	6.48	5.31	3.98	6.85	3.49	1.60	4.37	47.33
October .....	6.42	2.59	1.57	5.55	2.62	3.89	5.26	4.47	5.62	7.50	8.55	55.64
November...	3.30	4.49	2.90	3.09	3.41	3.43	5.63	5.28	6.99	5.15	4.62	48.29
December...	4.75	4.73	3.77	8.40	3.70	4.12	2.67	2.31	4.88	6.58	3.52	49.73
TOTALS...	4.77	4.07	4.05	5.57	4.72	4.44	4.70	4.65	5.46	4.48	5.14	521.59

Position of Station on reduced Ordnance Survey }  
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 56'	6° 10'	Ballymena	5 mi	S.W.	Broughshane (Broughshane)	5 mi	S.
							0 0 0 3 8 8	

RAINFALL at <sup>Ballymena</sup> Broughshane (Quolie)County of AntrimObserver H. O'Hara, C.E.River Basin 5- Bann-dough-haghy, East.H. Simpson, C.E. 1936Type of Gauge Glaisher.(1922) SnowdonAnnual Average 47.8 in. based on 47 years obs. un-weighted. Period of average

Ref.

51759 36

Diameter	5'											
Height	1' 3"							1.6				
Altitude	804'							<del>835</del> 864				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	6.35	4.05	2.67	3.35	3.11	4.61	4.91	5.51	5.70	3.84		44.10
February	3.89	1.6	2.99	4.0	4.35	3.09	6.25	2.12	4.42	3.62		31.35
March	1.28	2.21	2.58	4.04	1.08	2.05	6.25	3.91	6.82	6.66		37.88
April	2.85	4.63	1.48	5.15	4.46	1.06	4.18	.45	3.40	5.32		33.53
May	3.90	2.52	2.35	4.29	1.74	2.18	2.10	3.84	1.68	2.60		27.20
June	5.53	1.83	3.35	2.53	4.01	2.81	3.22	5.75	3.29	3.19		35.51
July	5.92	5.40	4.42	3.13	1.80	7.11	5.32	5.16	5.72	5.99		44.97
August	3.22	1.93	3.76	6.01	2.20	4.13	3.27	3.64	2.85	3.45		34.46
September	2.72	5.61	.56	6.17	4.52	6.41	2.57	4.16	3.98	7.12		43.82
October	3.58	6.19	4.94	6.51	7.01	5.43	3.31	7.55	3.69	5.86		54.07
November	5.22	3.76	2.51	2.41	4.61	6.59	2.35	5.69	6.0	7.35		46.50
December	3.42	6.02	2.67	5.63	4.35	5.12	4.92	4.96	3.36	6.95		47.40
TOTALS	47.88	44.36	34.28	49.62	43.24	51.69	48.65	53.30	50.92	61.95		485.79

1936. Change of authority (H. Simpson) May, 1936 - see letter 14/5/36.

1937 by moved 66' 9" S on 12/10/37 - continuation record.

\* Used in general tables in statistics. Original comparison.

Position of Station on reduced Ordnance Survey Map, }  
1 mile to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
	54° 56'	6° 10' W.	Ballymena	8m.	S.W.	Broughshane	5m.	S.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.



Station No. M. 6237RAINFALL at Broughshane (Analin)

41

County of CavanObserver C. H. Simpson, C.E.River Basin Brown - Lough Neagh East.

A.W. Camp, Esq. C.E. (1947)

Type of Gauge SnowdonAnnual Average 4.73 in. based on        years obs. un-weighted. Period of average        Ref.       File No. 517572/36

Diameter	5"				952	984						
Height	1' 6"					1						
Altitude	864.25					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.91	7.71	5.74	5.36	(5.79)	5.89	4.09	8.66	5.22	3.52		Totals. 55.95
February	4.38	4.21	3.57	2.41	4.13	4.04	1.98	2.51	3.42	3.86		34.51
March	4.94	3.51	1.41	2.12	2.15	2.75	5.87	2.54	4.26	1.97		31.52
April	3.77	3.08	3.83	2.58	2.15	1.48	3.44	2.93	4.20	6.37		33.83
May	3.23	3.46	6.65	2.73	5.94	1.47	3.82	1.92	2.49	1.95		33.59
June	0.79	1.37	5.49	3.94	5.28	4.51	4.99	4.83	1.99	3.52		36.71
July	4.86	6.31	2.18	4.62	6.90	4.46	4.53	4.49	2.85	8.03		47.23
August	7.47	8.13	7.14	4.19	2.00	7.46	0.17	5.11	4.12	6.82		52.61
September	2.19	6.62	4.51	7.07	3.59	8.10	4.19	5.57	2.48	11.02		55.34
October	8.15	4.89	4.85	5.77	4.77	1.78	3.17	5.22	7.43	3.90		49.93
November	5.36	1.44	5.65	7.15	1.56	5.16	8.60	3.46	5.06	4.04		47.48
December	2.92	5.16	3.88	5.60	4.83	5.05	4.31	5.85	6.01	6.01		49.62
TOTALS	51.97	55.89	54.90	53.54	49.09	52.15	49.16	53.09	49.52	61.01		530.32

1941. Total possibly too big, roughish.

1945. Jan. 29th. 6" too high.

\* used in general tables in studies. Origin unknown. R.O.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map       Reference No.       

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

Station No. *M 6237*RAINFALL at *Broughshane (Anolis)*

51

County of *Antum*Observer *H.W. Craig, Esq., C.E.*River Basin *S. Ban Lough Neagh East*Type of Gauge *Shadow*Annual Average *47.3* in. based on *omitted 1955* years obs. un-weighted. Period of average *Ref.*File No. *517579/36*

*55.78 18 within 1939-57*

Diameter ...	5"										
Height ...	1' 6"							1' 2"			
Altitude ...	<i>864</i> <i>835</i>				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.23	5.69	2.29	6.08	4.70	5.58	5.22	5.68	3.44	4.79	
February ...	4.02	2.26	2.31	4.29	5.26	1.96	3.49	6.05	2.02	5.00	
March ...	4.33	1.93	0.79	4.11	1.59	2.11	3.80	2.72	2.82	2.62	
April ...	2.67	2.29	3.72	1.45	3.45	2.89	2.00	3.45	3.81	3.72	
May ...	2.65	1.69	2.28	5.18	3.71	2.30	2.14	4.17	1.84	2.60	
June ...	3.87	3.81	2.57	4.53	5.28	4.24	4.70	5.32	2.45	3.00	
July ...	4.31	4.16	7.32	5.47	1.02	5.77	6.55	5.11	6.11	8.67	
August ...	5.11	7.87	5.84	4.05	1.17	8.92	4.82	4.66	1.51	5.46	
September ...	2.93	5.57	4.40	5.48	6.62	3.70	7.94	5.10	1.67	3.47	
October ...	1.26	5.07	2.37	9.15	5.05	4.26	5.12	4.15	5.05	5.41	
November ...	10.36	5.56	5.08	6.49	2.76	3.36	2.64	3.11	5.68	4.80	
December ...	5.65	5.50	4.76	8.34	5.31	6.42	6.74	5.99	8.09	3.77	
TOTALS ...	51.39	51.40	43.73	64.62	45.92	51.51	55.16	55.57	44.49	53.31	
	D	D	D	D	D	D	D	D	D	D	

*high in 1957 180K. 1.00K. 1st in a frame. First two to E will now overtake others in satisfactory exposure.*

000725

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference *1D178128*

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - *Rejected*

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	