

RAINFALL AT *Barrickfergus Copeland*

Lat. ....

Lon. ....

County of *Antione*

Rain Gauge, by

Observer *G. B. Reilly Esq**Belfast Lough - 1.*

Diameter ....									5		
Height .....									1.0		
Altitude ....									368 ft	424 ft	
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....								1.88	2.21	2.64	
February ....								1.45	.68	3.15	
March .....								1.51	3.94	2.75	
April .....								1.97	1.19	3.04	
May .....								1.91	3.46	2.36	
June .....								.52	3.75	.53	
July .....								2.39	7.24	3.05	
August .....								2.06	3.62	6.99	
September...								4.97	1.53	2.65	
October ....								1.60	1.37	3.14	
November...								2.95	6.04	2.63	
December ....								2.37	3.22	2.47	
TOTALS ....								25.58	38.25	35.40	

*St Nicholas Church 3 miles SE*  
*Embankment of Reservoir 50 feet high NW*

# RAINFALL AT Carrickfergus Copeland

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

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

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

Antrim

Old Rain Gauge, by  
Beefor Lough - 1.

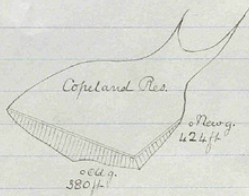
Observer

G. E. Reilly Esq

F. W. McCullough Esq C.E.

Diameter ....	5											
Height .....	10											
Altitude ....	380 424 ft								424			
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.74	1.70	3.00	2.50	4.31	3.46	2.33	1.63	2.38			
February ....	1.76	.19	1.19	4.28	4.00	.87	2.16	3.00	3.48			
March .....	2.72	2.27	.91	1.35	2.15	5.13	4.05	5.38	1.27			
April .....	1.65	2.50	1.34	1.54	1.73	2.25	1.55	3.00	3.17			
May .....	2.06	2.62	4.60	1.59	3.97	.48	.65	2.00	3.34			
June .....	2.93	1.70	3.75	1.81	4.15	2.16	3.94	7.45	3.45			
July .....	2.87	2.43	2.34	2.62	4.40	3.60	6.22	2.93	.85			
August .....	3.18	5.65	5.70	4.90	2.50	5.19	1.95	5.41	5.12			
September....	2.72	2.89	2.07	2.04	.29	.56	4.60	3.56	5.58			
October .....	1.82	4.20	3.87	2.91	6.54	4.90	2.92	3.81	4.10			
November....	7.96	3.80	3.63	2.13	2.10	4.05	1.37	3.65	4.04			
December ....	2.63	4.41	2.40	3.48	3.63	4.65	5.68	5.88	3.22			
TOTALS ....	36.04	34.36	34.80	31.15	39.77	37.33	37.42	47.70	40.00			

1897 Carrickfergus Church  $3\frac{1}{2}$  miles SSE  
Bank of Reservoir 44 ft high 150 ft N



000858

# RAINFALL AT Carrickfergus Copeland Res. Belfast 1891

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

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

County of Antrim

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

Observer G. E. Reilly Esq.

J. W. McCullough Esq. C.E.

Belfast L. — 1. New

Diameter ....		5									
Height .....		1.0									
Altitude ....		424									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....		1.47	2.50	2.35	3.88	3.10	2.39	1.58	2.38	4.73	
February ....		.23	1.00	3.79	3.99	1.01	2.15	3.10	3.48	3.18	
March .....		2.07	.78	1.31	2.16	4.87	4.11	5.28	1.27	2.36	
April .....		2.35	1.21	1.62	1.73	2.33	1.56	2.84	3.17	4.26	
May .....		2.60	4.78	1.65	4.04	.50	.73	2.01	3.34	4.65	
June .....		1.63	4.61	1.79	3.97	2.25	3.98	7.60	3.45	2.79	
July .....		2.51	2.29	2.65	4.39	3.74	7.44	3.02	.85	3.98	
August .....		5.75	5.80	4.96	2.51	5.05	2.11	5.38	5.12	1.76	
September....		2.97	2.15	1.95	.35	.62	4.68	3.62	5.58	3.36	
October .....		4.39	3.83	2.72	6.49	5.57	3.01	3.97	4.10	2.17	
November....		3.72	3.92	1.80	2.36	4.02	1.47	3.59	4.04	3.24	
December ....		4.11	2.39	3.41	3.55	4.86	5.84	5.50	3.22	5.99	
TOTALS ....		33.80	35.26	30.00	39.42	37.92	39.47	47.49	40.00	42.47	

1891 Carrickfergus Church 3 miles S



# RAINFALL AT Carrickfergus Copeland Res

Lat. ....

Lon. ....

County of Antrim

Rain Gauge, by

Observer

G. E. Reilly

Belfast L. - 1. New M.

Diameter ....		5										
Height .....		1										
Altitude ....		124										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....		1.43	2.52									
February ....		.16	1.00									
March .....		1.88	.71									
April .....		2.25	1.02									
May .....		2.47	4.73									
June .....		1.57	4.36									
July .....		2.33	1.90									
August .....		4.80	5.82									
September....		2.70	1.95									
October .....		4.00	3.84									
November....		3.71	3.78									
December ....		4.27	2.26									
TOTALS ....		31.57	33.89									

# RAINFALL AT *Carrickfergus, Co. Dublin*

Lat. ....

Lon. ....

County of *Antrim*

Rain Gauge, by .....

Observer *F. W. Mc. Cullogh Esq. C.E.*

*Belfast Long - 1.*

Diameter ..	5										
Height ....	10										
Altitude ..	424 <del>R</del>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.52	2.91	2.21	4.73	3.00	1.24	6.40	1.84	3.44	1.50	3.179
February ..	3.76	1.56	2.25	2.27	3.43	1.28	1.86	1.64	1.53	2.50	2.208
March ....	.80	2.73	2.20	4.38	2.27	3.14	2.06	3.63	3.81	3.80	2.882
April .....	3.62	2.81	2.47	1.38	2.00	2.79	1.90	1.66	2.95	3.74	2.532
May .....	3.98	2.25	4.38	3.34	3.08	2.01	4.85	4.22	1.96	1.74	3.181
June .....	4.72	4.40	2.06	2.33	1.49	2.20	1.19	4.60	3.57	2.80	2.936
July .....	3.95	1.31	2.50	4.99	3.36	1.94	2.85	2.18	4.27	2.91	3.026
August ....	6.50	4.13	3.19	4.43	5.15	7.36	4.00	2.89	3.15	2.19	4.299
September ..	3.31	3.70	4.92	3.41	3.80	1.58	1.08	1.12	5.29	2.33	3.054
October ....	5.10	5.04	2.02	6.05	1.29	1.90	4.75	4.42	2.87	5.75	3.910
November ..	5.59	3.76	4.74	2.48	3.26	5.17	2.64	3.52	3.93	.91	3.600
December ..	3.53	3.53	2.47	3.49	2.07	2.54	2.63	2.96	4.00	3.35	3.057
TOTALS ..	49.38	38.13	35.41	43.28	34.20	33.15	36.21	34.68	40.77	33.52	37.873

*H. H.*

RAINFALL at Carrickfergus CopelandCounty of AnttrimObserver F.W. McCullough Esq C.E.River Basin Belfast Lough

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

Diameter ...	5										
Height .....	1 0			3 0							
Altitude ...	424										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.34	1.27	3.25	5.10	2.00	2.65	2.91	2.16	2.78	4.07	2.853
February ...	4.11	2.87	4.67	1.82	3.30	3.77	2.74	2.06	3.44	1.71	3.029
March .....	1.55	1.35	4.39	3.64	3.23	1.04	1.69	1.74	1.04	4.01	2.368
April .....	2.28	2.91	1.63	3.97	1.00	1.88	3.61	1.23	1.67	1.51	2.149
May .....	2.37	1.57	2.02	2.87	1.71	1.43	6.18	5.19	3.44	1.19	2.797
June .....	3.11	2.11	8.32	2.22	1.25	1.77	2.19	2.65	1.17	2.70	2.749
July .....	4.28	2.02	4.39	1.62	2.29	5.54	1.51	3.19	3.07	4.2	2.833
August .....	4.82	2.42	7.79	.88	4.18	4.19	2.08	3.99	4.18	3.66	3.819
September ..	1.27	1.10	1.75	4.06	1.14	1.09	.94	1.47	4.44	3.52	2.078
October ...	2.18	3.26	4.30	3.15	1.71	3.40	6.55	4.66	3.36	2.52	3.489
November ..	4.73	4.62	2.90	3.86	3.97	2.31	4.16	3.50	4.09	2.19	3.633
December ...	4.03	5.51	5.36	3.16	6.30	6.86	3.13	2.09	4.42	7.46	4.832
TOTALS ...	37.07	31.01	50.77	36.35	32.08	35.93	37.69	33.93	34.10	34.56	36.649

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.



RAINFALL at Barrickfergus CopelandCounty of AntimObserver Wm. C. Longley C.E.  
(Belfast W.W.H.)  
(E.F. Wheeler)River Basin Belfast Lough - 1See diagram Rain Gauge, by \_\_\_\_\_  
on back of \_\_\_\_\_  
Dorisland Street

## Old Gauge

Diameter ...	5			5								
Height .....	3 0			3 0			3 2 1/2					
Altitude ...	424			424			427					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean.	
January ...	4.44	4.65	2.28	2.95	4.13	2.22	3.95	3.10	6.22	2.26	3.95	
February ...	1.86	.57	3.35	5.58	.83	2.75	3.66	1.93	3.48	3.28	1.44	
March .....	2.41	2.41	1.37	1.33	1.43	.99	.81	2.00	4.36	.67	1.61	
April .....	2.17	.83	3.10	3.16	2.72	3.18	2.29	1.46	1.81	1.45	1.68	
May .....	3.05	2.14	2.08	1.48	4.12	5.46	1.88	2.01	1.13	2.12	1.49	
June .....	3.67	.28	1.69	0.67	2.80	.69	2.17	4.38	5.39	2.87	2.20	
July .....	3.03	3.83	4.07	3.30	4.61	3.10	3.55	3.47	2.24	2.58	3.96	
August .....	3.00	3.61	3.60	5.98	4.34	1.48	3.59	1.62	4.18	5.95	5.77	
September...	3.53	2.05	2.71	3.75	5.47	3.29	2.41	5.16	2.07	1.95	4.96	
October .....	6.41	3.63	1.24	3.07	1.78	3.06	4.40	3.76	6.98	3.93	5.31	
November...	2.93	3.94	1.22	2.32	3.29	1.55	4.57	4.71	7.51	4.85	4.09	
December...	4.65	2.80	2.42	4.27	3.47	3.73	1.46	2.61	4.00	7.51	3.59	
TOTALS...	41.15	30.74	29.13	37.84	38.99	31.50	34.74	36.21	49.37	38.42	39.05	

1926. Letter 2. 7.6.26. "The Copeland gauge has a bias rising to the west of it, & this may possibly account for the low rainfall particularly on the wet winds are westerly here".  
"Roof of gauge slopes to N." Gauge tested found undistorted (f660992/26)

1927. Printed with? - See file 664992/26.

1930. Old gauge to be check. N. P. in 1931.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1925	54° 45' 50"	47° 11' 00"	W. Barrickfergus	2 1/2 m.	N. E.			
						000403		

RAINFALL at Carrickfergus Copeland

County of Antism

Observer C. F. Wheeler (Belfast N.W.)

River Basin Belfast+Lough 1

*Rain Gauge, by*

New Gauge.

Diameter ...									5		
Height .....									1' 0"		
Altitude ...									427		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean.
January ...									6.60	2.30	4.50
February ...									3.86	3.19	.55
March .....									4.62	.68	1.86
April .....									2.05	1.59	1.80
May .....									1.17	2.37	1.75
June .....									5.34	3.14	2.42
July .....									2.28	2.86	4.21
August .....									4.26	6.46	6.43
September...									2.29	1.18	5.22
October .....									6.78	4.49	6.05
November...									6.83	5.20	4.61
December...									3.96	8.11	3.45
TOTALS...									50.04 D	41.57 D	42.85 D

1928. This gauge is established at a point 300 yds North of old gauge + approx. at same level.

Position of Station on reduced Ordnance Survey } No. of Map  
 Map, 2 miles to 1 inch Series

Reference No.

[illegible]



RAINFALL at Larne (Larne) old gaugeCounty of AntrimObserver C. H. Wheeler, C.E.River Basin 1-Belfast Lough

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

7.664992/26

Diameter	5"										
Height	3' 0"										
Altitude	424'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.02	3.34									
February	2.43	1.7									
March	1.26	1.59									
April	2.66	2.37									
May	4.43	3.05									
June	6.43	1.56									
July	3.17	3.60									
August	3.53	2.59									
September	2.13	3.37									
October	2.11	3.14									
November	6.85	2.23									
December	2.87	5.52									
TOTALS	40.89	32.53	#								

1931. N. P. Terminated

Does not regd. in future: incl. 6.1 A as file.  
1932 N. P.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
	54° 45'	5° 27' W	Larne (Larne)	2 1/2 m	N.E.			

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

RAINFALL at Barrickfergus (Copeland) new gauge.County of AntoinObserver C. H. Wheeler, C.E.River Basin 1-Belfast LoughS. H. W. Middleton Esq. C.E. 1938

Type of Gauge.....

Annual Average 29.6 in. based on ..... years obs. un-weighted. Period of average..... Ref.....7.664992/26

Diameter	5'										
Height	1' 0"										
Altitude	427'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.75	3.11	2.51	3.33	1.37	4.48	4.82	4.38	4.41	4.61	
February	3.02	21	3.28	4.4	4.64	3.10	6.24	1.73	3.64	3.16	
March	1.39	2.04	2.49	1.90	1.19	2.91	2.03	1.34	3.89	4.74	
April	2.93	3.05	1.97	4.13	2.42	1.09	2.48	3.6	2.82	4.71	
May	4.71	3.35	3.07	3.27	1.06	1.89	1.11	3.11	1.90	1.75	
June	6.14	1.74	2.40	2.14	4.66	5.37	3.08	4.58	1.93	1.29	
July	3.59	3.96	3.88	2.63	1.29	6.23	3.04	5.02	4.35	5.16	
August	3.32	2.73	2.99	6.07	1.49	3.86	3.00	2.38	2.34	1.06	
September	2.33	3.82	7.6	5.93	4.21	3.57	2.47	3.48	2.86	2.39	
October	2.43	3.77	3.20	6.23	5.37	2.74	3.39	7.66	3.47	6.12	
November	7.31	2.65	2.11	1.26	5.14	4.37	1.47	4.29	5.71	6.06	
December	3.21	6.02	2.39	8.15	3.66	3.70	4.11	3.89	3.05	4.72	
TOTALS	44.13	36.45	31.05	44.47	36.43	43.31	37.24	42.22	39.35	45.75	

used in general tables in statistics. Origin unknown. P.D.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

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

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

Station No. I.F. 6225RAINFALL at Barryscloghna (Capelead) ✓

41

County of AntoniaObserver S.H.W. Middleton Esq. C.E.River Basin Belfast-LoughR.H. McCulloch Esq. B.Sc.

Type of Gauge

Annual Average 4.10 in. based on 10 years obs. un-weighted. Period of average Ref.File No. 654992/26

Diameter	5"				967	764					
Height	1'0"					1					
Altitude	427'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.28	6.85	6.45	4.10	4.37	5.01	3.97	7.95	3.54	1.86	
February	3.62	2.43	2.09	1.31	4.09	3.40	0.91	2.63	2.21	3.98	
March	3.78	3.03	1.00	.77	1.49	2.09	5.38	2.07	2.70	2.00	
April	1.97	2.14	3.06	2.84	1.86	0.96	2.79	2.26	2.48	4.31	
May	2.90	3.44	4.38	1.86	4.36	1.31	4.28	2.01	2.07	1.79	
June	0.43	.83	3.97	2.80	11.53	3.97	3.94	4.77	0.81	2.62	
July	5.52	3.72	2.52	4.58	5.35	3.24	4.28	2.95	3.20	5.27	
August	4.79	6.66	6.40	2.55	1.00	4.67	0.16	5.30	4.75	5.39	
September	1.88	5.28	3.30	6.01	3.11	6.55	3.27	5.32	3.25	7.09	
October	5.60	4.23	4.03	4.97	3.04	1.37	2.45	4.32	5.52	2.86	
November	4.11	.83	3.23	5.17	2.01	5.38	5.67	2.87	4.24	3.13	
December	1.57	5.14	2.64	4.80	4.77	3.64	2.38	4.76	4.80	2.73	
TOTALS	38.45	44.58	43.07	41.71	40.38	41.59	40.48	47.41	39.63	43.03	

Used in general tables in tables. Origin unknown P.O.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

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



Station No. T.F. 6225RAINFALL at Garickfergus (Donegal)

51

County of AnturinObserver R.H. McCreagh, Esq., B.Sc.River Basin 1-Belfast-LoughA.E.D. Barr, Esq., BA (1952)Type of Gauge M.O.Annual Average 45.0 in. based on omitted 1955 years obs. un-weighted. Period of average Ref. 8  
Origin Upland.  
" " 41.57 - - 26 - within 1928-57 - - File No. 1916-5064992/26 6225/55

Diameter ...	5"											
Height ...	1' 0"											
Altitude ...	427'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.31	4.00	1.57	3.73	4.28	3.69	4.37	4.46	3.16	4.58		
February ...	2.71	1.01	1.21	3.87	4.29	1.22	2.98	4.99	1.11	3.58		
March ...	3.67	1.87	4.4	4.49	2.10	1.83	3.42	2.93	2.59	3.06		
April ...	2.05	1.90	2.41	1.19	2.44	1.20	1.55	2.33	3.05	3.48		
May ...	2.93	1.41	2.34	4.32	3.33	1.40	2.51	3.11	1.37	1.73		
June ...	2.03	3.17	1.93	3.52	6.04	2.99	1.91	6.03	2.62	2.11		
July ...	3.26	2.31	6.38	4.41	1.53	3.92	4.14	5.73	3.82	7.56		
August ...	4.25	6.49	3.38	3.29	1.14	6.68	3.58	6.33	1.45	6.19		
September ...	2.67	1.98	3.12	4.49	4.41	4.28	4.98	4.32	1.62	3.46		
October ...	0.52	4.08	2.42	7.11	3.92	3.16	3.97	2.32	4.00	7.32		
November ...	7.52	1.98	4.10	6.39	2.92	1.54	2.38	2.27	4.07	4.99		
December ...	5.59	4.47	3.75	5.95	5.99	4.55	4.91	5.96	6.54	3.20		
TOTALS ...	41.51	34.67	33.05	52.76	42.39	36.46	40.70	50.78	35.40	51.26		

Inst. III 1958/B.O.H. 2. Sound. Satisfactory exposure but trees have been planted all around. A few trees to be removed to allow a few more readings. A new site was chosen which will be used when present site becomes completely sheltered. NGR. 430915

000743

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference 1142914

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1928	✓	✓	
		✓	✓	✓	