

## RAINFALL AT Stonyford, Belfast W. W.H.

Lat.

Lon.

County of

Antrim

Rain Gauge, by

Observer

L.L. Macassay Esq. C.E.

Bann, L. Hugh E. S.

Diameter .....											5
Height .....											1' 4 - 7
Altitude .....											460 <del>470</del>
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....							4.20	2.66	1.84	2.10	
February .....							3.04	1.40	.67	2.35	
March .....							3.03	1.34	4.96	2.99	
April .....							1.42	1.97	1.88	4.11	
May .....							5.96	3.10	2.92	2.02	
June .....							1.69	.83	4.43	.46	
July .....							4.30	2.90	5.35	4.15	
August .....							3.35	3.40	3.71	8.49	
September .....							3.28	3.70	1.66	2.76	
October .....							5.50	1.78	1.12	3.93	
November .....							3.59	3.36	5.45	1.68	
December .....							5.22	2.38	2.88	3.27	
TOTALS .....							44.58	28.82	36.87	38.31	

1886 Mean of two gauges.

1887 Stonyford - Derryaghy Church 700 yds + 2 1/2 miles W + S E

House 20 ft high 210 ft N W

Trees 35 ft " 180 N

Gauge moved 27<sup>th</sup> April 260 yds N

000182

## RAINFALL AT Stonyford Belfast W.W.

Lat.

Long.

County of

Antrim

Rain Gauge, by

Observer L.L. Macnassey Esq. B.C.

Benn, L. Hugh - 5. Monthly

Diameter ....										5		
Height .....										7		
Altitude ....										470		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....								2.60	1.89	2.38		
February .....								1.36	.69	2.38		
March .....								1.36	4.90	2.99		
April .....								1.91	1.92	4.17		
May .....								3.13	2.90	2.15		
June .....								.86	4.37	.42		
July .. ....								2.95	5.30	4.13		
August .....								3.43	3.65	8.38		
September....								3.72	1.62	2.61		
October .....								1.74	1.05	3.92		
November....								3.33	5.53	1.73		
December ....								2.39	2.81	3.10		
TOTALS .....								28.78	36.63	38.36		

1887 Stonyford Church 700 yards W  
 Derrygally ~ 2 1/4 miles E.S.E  
 House 20 ft high 210 ft N.W  
 Trees 35 ft " 180 " N

RAINFALL AT Stonyford Belfast W.W.

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Antrim \_\_\_\_\_

Rain Gauge, by  
Baron, L. Meagh. E - 5.

Observer L. F. MacAssey Esq. C.R.  
7 W. McCullough Esq. C.R.

Diameter .....	5	Height .....	0 7	Altitude .....	470 M	Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	3.69	1.07	2.29	2.86	2.77	2.13	3.17	1.87	1.73	3.55	2.55	3.55	2.55	3.55	2.55		
February .....	1.90	.20	1.02	3.14	2.85	.74	2.80	2.27	1.91	3.06	1.98	3.06	1.98	3.06	1.98		
March .....	2.31	1.39	.38	.89	1.73	5.65	5.14	4.09	.97	2.10	2.465	2.10	2.465	2.10	2.465		
April .....	1.74	2.98	.86	1.13	1.87	3.20	2.14	1.98	2.96	3.69	2.255	3.69	2.255	3.69	2.255		
May .....	1.65	4.60	3.65	.97	3.39	.30	.14	1.74	3.90	3.18	2.352	3.18	2.352	3.18	2.352		
June .....	3.84	3.29	3.96	1.03	3.75	3.24	3.50	4.74	3.28	2.57	3.220	2.57	3.220	2.57	3.220		
July .....	2.19	2.18	3.30	2.39	3.91	3.60	7.45	1.54	.68	4.87	3.106	4.87	3.106	4.87	3.106		
August .....	2.63	5.76	5.11	4.81	3.09	6.37	1.84	5.74	4.66	1.49	4.150	1.49	4.150	1.49	4.150		
September .....	3.97	2.51	2.90	2.21	.47	.36	4.23	2.16	4.60	3.55	2.696	3.55	2.696	3.55	2.696		
October .....	2.23	3.18	4.72	2.15	5.78	4.32	2.87	1.94	4.22	2.07	3.348	2.07	3.348	2.07	3.348		
November .....	7.00	2.68	3.31	1.50	2.00	2.54	1.14	2.87	3.14	2.78	2.896	2.78	2.896	2.78	2.896		
December .....	2.08	4.31	2.71	3.24	2.29	6.22	4.35	4.06	2.51	5.85	3.762	5.85	3.762	5.85	3.762		
TOTALS .....	35.23	34.10	34.21	26.32	33.90	38.67	38.77	35.00	34.56	38.76	34.952	38.76	34.952	38.76	34.952		

1893 Stonyford Church 1/4 Mile N  
Reservoir Bank 17.76 ft 180 ft E

RAINFALL AT Stonyford Belfast W.W.

Lat.

Lon.

County of

Antrim

Rain Gauge, by

Observer

L. L. Macarsey Esq. C.R.Monthly Bann, L. height E. S.

Diameter .....	<u>5</u>										
Height .....	<u>0 7</u>										
Altitude .....	<u>470 ft</u>										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....											
February .....											
March .....											
April .....											
May .....											
June .....											
July .....											
August .....											
September .....											
October .....											
November .....											
December .....											
TOTALS .....	<u>35.10</u>	<u>33.62</u>	<u>232.40</u>	<u>24.89</u>							

RAINFALL AT Stonyford Belfast W.W.

Lat. .... Lon. .... County of Antrim

Rain Gauge, by

Observer F.W. McCullagh Esq.

Diam. 5, L. height E—S.

Diameter ..	5											
Height ....	1	6										
Altitude ..	437	N										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.12	3.06	1.72	5.00	2.43	1.67	3.14	1.30	2.40	1.71	2.555	
February ..	3.54	1.63	1.62	1.87	3.63	1.43	2.14	1.67	2.22	2.77	2.252	
March ....	.78	2.51	2.01	3.65	1.46	3.34	2.28	3.77	4.29	3.12	2.716	
April.....	2.73	2.20	1.74	1.15	2.24	1.93	2.73	2.71	3.29	3.86	2.458	
May .....	2.67	1.45	4.08	2.56	2.51	1.29	4.47	3.60	1.97	1.42	2.602	
June .....	3.99	3.52	2.27	1.70	1.25	3.34	.98	5.41	3.17	2.03	2.766	
July .....	3.27	1.62	5.21	5.08	3.60	2.04	2.46	2.79	3.74	4.42	3.423	
August .....	6.13	3.96	2.96	4.34	5.64	6.06	4.91	3.85	2.73	2.50	4.308	
September..	2.98	3.26	5.60	3.68	3.03	1.82	1.16	1.32	3.56	1.96	2.837	
October....	4.36	3.85	1.45	5.49	.72	1.40	4.32	4.82	2.40	4.61	3.342	
November..	5.77	5.76	3.74	2.52	2.29	2.88	2.52	3.46	3.13	1.19	3.326	
December ..	3.22	3.62	1.82	2.87	2.58	1.82	3.61	3.37	3.24	3.67	2.982	
TOTALS ..	42.56	36.44	34.22	39.91	31.38	29.02	34.67	38.07	36.14	33.26	35.567	

RAINFALL at Stonyford Belfast W.W.County of AntrimObserver F.W. McCullough Esq. C.I.E.River Basin Bann, Lough Neagh, East

5

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

Diameter ...	5											
Height .....	1.6											
Altitude ...	487 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.16	1.48	4.03	4.25	2.45	3.41	1.88	2.63	2.44	2.42	3015	
February ...	6.04	2.20	3.01	.96	3.42	3.63	3.82	2.09	3.99	1.06	3022	
March .....	1.77	1.37	3.67	2.34	3.25	1.04	1.99	3.36	1.39	4.00	2398	
April .....	2.49	2.90	1.53	2.76	1.34	2.03	3.91	2.23	1.61	1.93	2253	
May .....	2.33	1.77	.99	3.88	1.81	1.16	5.16	4.45	3.16	1.54	2605	
June .....	3.50	2.05	6.98	3.01	1.62	1.73	2.03	2.61	1.42	2.53	2718	
July .....	4.55	2.12	4.45	1.50	2.46	4.72	3.28	2.72	3.66	.38	2984	
August .....	5.18	2.51	6.38	.94	3.64	3.14	3.06	4.49	2.94	3.56	3584	
September ..	1.60	1.78	1.40	4.62	1.21	.76	1.31	2.35	4.92	2.74	2209	
October ...	1.94	3.34	2.97	3.64	1.65	3.00	7.37	5.24	3.38	2.45	3498	
November ...	2.75	3.76	2.80	3.25	4.01	2.83	3.83	3.94	4.26	2.53	3396	
December ...	4.15	4.60	3.63	3.02	5.94	5.96	2.59	2.42	3.78	6.75	4254	
TOTALS ...	39.46	29.88	41.84	34.17	32.80	33.41	40.03	38.53	36.95	33.19	36026	

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

RAINFALL at Stoneyford Belfast wa

County of Antrim

Observer John McCayby Jr

River Basin L. height - E — 5

(C. F. Wheeler)

Rain Gauge, by

Belfast WL Engt

(Old Gauge)

Diameter ...	5		5								
Height .....	6		6								
Altitude ...	437		437								
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	4.31	5.45	3.81	3.17	3.38	2.55	4.48	2.69	5.93	1.79	3.76
February	2.06	.77	3.74	4.63	.89	3.86	3.08	1.65	3.62	2.78	1.06
March	3.33	2.24	1.47	2.02	1.18	1.43	1.04	2.22	2.97	.47	1.86
April	2.53	1.26	4.00	3.10	2.62	2.91	2.11	1.69	1.15	.80	1.67
May	3.51	1.98	2.06	1.59	4.26	4.29	2.16	1.97	1.47	2.38	1.66
June	2.62	.46	2.56	1.26	4.47	.64	1.96	3.42	3.81	2.87	2.40
July	2.92	3.54	2.88	2.33	4.29	5.97	5.39	3.40	2.20	2.89	3.48
August	2.70	3.64	4.52	6.37	5.93	1.93	3.87	4.92	4.31	5.57	6.76
September	2.80	1.36	2.33	3.38	4.60	4.19	2.43	5.30	2.43	.99	4.19
October	1.89	3.24	1.63	3.94	2.37	2.93	3.54	3.27	4.84	4.60	4.61
November	3.65	2.90	1.41	3.63	2.67	2.34	3.87	3.64	4.10	4.25	3.72
December	4.52	2.96	2.87	4.11	3.22	4.40	1.23	2.43	3.02	5.77	3.56
TOTALS...	41.44	29.80	33.28	37.55	39.98	37.44	35.16	35.80	39.85	35.16	38.73

1930 . Old q. to be check . K. S. in 1931.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1925	54° 34'	6° 8'W	Bisbourn				000395

RAINFALL at Stoneyford, Belfast W.W.

County of Antoin Observer L. F. Wheeler, Esq. L. E.

River Basin Barn, L. Neagh E.-5

*Rain Gauge, by*

(New Range)

Diameter ...	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
Height .....										10	
Altitude ...										453	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1929
January .....										1.85	4.10
February .....										2.85	1.23
March .....										.55	2.06
April.....										1.01	2.04
May .....										2.59	1.96
June .....										2.99	2.43
July .....										3.26	3.75
August .....										6.37	7.28
September...										1.18	4.19
October.....										5.01	4.80
November...										4.65	4.00
December...										6.27	3.79
TOTALS...										38.58	41.63

1929. This new sq. is set up about 700 yds. to the N.E.  
of the old square.

*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	Parish Church.	Distance from gauge
						0 0 0 3 9 4	

## RAINFALL at Stoneyford (Belfast W.W.) old gauge.

County of Antrim Observer G.F. Wheeler, G.E.

River Basin 5-Bann-Lough Neagh East.

Type of Gauge.

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

7 664992/26

Diameter	5"									
Height	1' 6"									
Altitude	450'									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
										Means
January	3.48	2.34								
February	3.06	2.20								
March	1.19	1.88								
April	2.83	2.73								
May	4.04	2.48								
June	4.31	1.32								
July	2.86	5.57								
August	3.58	2.91								
September	1.60	3.77								
October	2.45	3.23								
November	5.05	1.34								
December	3.15	4.61								
TOTALS	37.60	32.43	#							

1931. N. &amp; S. Standard.

To be noted in future incl. 61A on 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°34'	68°W	Lisburn					

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

RAINFALL at Stoneyford (Belfast W.W.) new gauge

County of Antrim Observer G. H. Wheeler, S.E.

River Basin 5-Bann - Lough Neagh East. S.H.W. Middleton Eng. GE

*Type of Gauge.....*

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

Ref.

7. 664992 / 36

Diameter		5'									
Height		1' 0"									
Altitude		458'								450'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means.
January	3.45	2.34	2.24	2.84	1.47	4.11	4.47	4.48	5.05	4.91	
February	3.08	2.20	3.44	3.36	4.00	2.48	5.03	8.87	3.19	2.98	
March	1.24	1.88	2.03	2.91	1.56	2.41	3.01	1.16	4.37	5.40	
April	3.06	2.78	1.29	3.00	2.74	1.06	2.46	2.21	3.81	5.32	
May	4.68	2.48	2.66	2.88	1.09	1.54	1.26	3.25	.76	1.40	
June	4.45	1.32	2.99	2.23	4.29	3.88	3.24	4.23	2.29	1.85	
July	3.16	5.37	2.50	2.99	1.21	7.56	3.97	4.48	6.60	6.25	
August	4.49	2.91	2.54	6.83	2.41	2.95	3.25	3.03	2.11	1.16	
September	1.85	3.77	1.17	4.56	3.97	4.19	2.29	3.97	3.53	3.18	
October	2.66	3.23	2.99	4.60	5.03	2.75	3.13	3.84	3.93	6.02	
November	5.51	1.34	1.44	1.28	3.67	4.40	1.37	4.38	5.95	6.75	
December	3.41	4.61	2.87	6.57	3.31	4.07	3.80	3.59	3.48	5.16	
TOTALS	41.04	32.43	27.86	40.68	34.75	41.40	37.28	39.46	45.07	50.38	

1939. Ht. changed from map sent.

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

### References No.

1 mile to 1 inch Series							
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Station No. T.F. 6232

## RAINFALL at Stoneyford (Belfast 18.13). 41

County of Antrim Observer S. H. D. Middleton Esq. C.E.

River Basin Bann - Lough Neagh East 5. R.H. McCullagh Esq. BSc.

Type of Gauge.

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

File No. 664992/26

Diameter	5"			950	578					X
Height	1' 0"				1					
Altitude	450'	453'			41		450'	453		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	306	6.60	5.60	4.48	3.63	4.05	3.46	7.79	3.42	1.43
February	384	2.41	1.74	1.42	3.38	2.67	2.53	2.10	2.07	3.75
March	497	3.21	1.25	.58	1.40	2.25	6.79	2.28	3.34	1.76
April	369	1.85	2.78	2.81	1.84	.97	3.12	1.14	2.85	5.03
May	270	4.09	5.28	1.80	4.14	1.40	3.43	2.32	2.16	1.29
June	0.74	1.40	4.38	2.51	4.51	3.63	3.93	4.96	.83	2.88
July	462	4.13	2.32	4.19	3.85	3.68	4.15	3.54	2.67	6.43
August	483	5.53	6.47	3.10	1.07	5.93	.47	4.63	4.35	5.66
September	214	5.08	2.98	4.56	8.58	7.17	3.38	4.50	2.61	7.83
October	696	4.48	4.17	4.27	4.28	1.63	2.34	3.23	5.53	3.40
November	424	6.3	3.22	5.19	1.10	4.61	4.60	3.36	3.18	3.06
December	176	4.25	2.43	4.14	4.11	4.39	3.15	5.96	4.83	3.68
TOTALS	4355	42.72	42.62	38.55	35.89	42.38	41.35	46.71	37.76	46.20
	P	D	D	D	D	D	D	D	D	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	Parish Church.	Distance from gauge

Station No. T.F. 6232

RAINFALL at Stoneyford (Belfast ~~near~~ Waterworks) 51

County of Antrim

Observer

(Old gauge No. 1, 1954)

River Basin, 5. Bann Lough Neagh East. R.H. ~~the~~ Cullagh Beg., B.Sc

Type of Gauge M.O.

RED BAN. Eng. RA (1954)

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

41.21 23 + 1950-1954

File No. 66492126

Diameter	5"		950	578							
Height	1' 0"			1							
Altitude	453'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.35	4.25	1.54	2.98	4.91	3.38	3.99	4.67	2.24	4.38	
February	4.20	.95	1.47	3.85	3.18	1.33	2.15	4.81	1.53	2.58	
March	3.62	1.46	.36	3.26	1.61	1.85	3.20	2.10	2.69	2.57	
April	2.18	1.84	1.80	.73	2.62	1.35	1.45	1.93	3.18	3.13	
May	3.58	1.24	1.78	4.46	2.88	1.26	2.35	3.71	1.14	2.37	
June	3.06	3.43	1.83	2.99	4.94	3.53	1.38	6.49	2.15	2.39	
July	5.22	2.27	5.55	4.67	1.59	3.28	4.79	5.26	5.13	7.90	
August	4.53	5.80	3.09	2.94	1.31	7.76	4.77	3.88	1.08	6.51	
September	2.63	1.91	2.69	4.12	4.40	3.47	5.81	5.76	1.64	2.82	
October	0.78	4.40	1.89	6.08	2.40	2.78	4.19	2.68	4.23	5.42	
November	7.40	3.71	3.74	5.66	2.49	1.41	2.26	1.99	3.93	3.92	
December	4.43	4.02	3.43	4.78	5.00	5.43	5.01	5.41	5.65	2.99	
TOTALS	44.98	35.28	29.17	46.52	37.63	36.83	41.35	48.69	34.59	46.98	
	D	D	D	D	D	D	D	D	D	D	

Int. I 1959 J.B.O.K. Over-read all stations. This will give us new info available by round.  
 1959 No. 2 gauge (S/N 6232/1) set up - to have 1 for over-read with No. 1 gauge.  
 New gauge records & commence from Feb. 1959. Walkden Moorhead? 0 0 0 7 3 4

Air Min. to be used with 6232/1

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference T.F. 62321701

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance 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 1929 ✓		✓	✓	✓

**Air Ministry, Meteorological Office**T.F. 66  
Station No. 6232/1

**RAINFALL at Stoneyford (Belfast Waterworks) No 2, New gauge.** 51

County of Antrim Observer R.E.D. Bain, Esq. B.A.

River Basin Bann, Rough Neagh E - 5.

Type of Gauge \_\_\_\_\_

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

File No. E. 23648/38

Diameter ...	950 586										5"
Height ...	1										10"
Altitude ...	51										453'
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	For records, see old gauge, S.H. 6232 . . . . (2.24)										4.25
February ...											1.52 2.53
March ...											2.65 2.46
April ...											3.19 3.05
May ...											1.15 2.31
June ...											2.21 2.60
July ...											5.19 7.60
August ...											1.06 6.32
September ...											1.64 2.80
October ...											4.25 5.24
November ...											3.94 3.67
December ...											5.55 2.90
TOTALS ...											(34.84) 45.53

1959 - New gauge to replace S.H. 6232 - 1 year overlap (mean figures taken from old gauge (S.H. 6232) which continue for overlap period. New gauge received 3rd November from outlet. 40004)

Position of Station on Ordnance One-Inch map:			No. of Map	National Grid Reference		
Date	Lat. N.	Long.	Railway Station	Distance from gauge	Parish Church	Distance from gauge
-	-	-	-	-	-	-

## Summary of Earlier Records from 10-year Sheets:

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