

RAINFALL AT *Marchmont* *Marchmont House*

60

Peter Loney (Gardener)

Berrick.

Rain { By
Gauge { Diameter *5* in.

Height above Ground, *1* ft. in.

Above Mean Sea Level, *500* ft.

Whitadder - 14.

YEAR								1867	1868	1869	MEANS.
January									3.97	2.65	
February									2.85	2.71	
March									1.93	2.00	
April									3.15	2.17	
May								3.31	2.07	3.08	
June								2.31	.55	3.72	
July								6.54	.66	.70	
August								2.17	3.23	1.17	
September ...								2.41	3.88	4.21	
October								1.67	2.70	3.32	
November ...								.64	2.14	2.03	
December								2.27	4.60	3.36	
TOTALS									31.73	31.12	

RAINFALL AT Dunse Marchmont House

Lat.....

Lon.....

County of.....Berwick.....Symon Rain Gauge, by.....H. B. Z. Observer.....W. P. LennyWhiteadder - 14.

Diameter.....	.5											
Height.....	1											
Altitude.....	500											
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.99	1.36	3.71	3.92	1.67	4.33	1.25	5.91	3.11	2.08	2.933	
February.....	2.58	3.40	3.69	2.54	1.74	2.04	4.35	2.60	1.67	2.66	2.727	
March.....	1.20	1.39	4.09	2.23	1.99	1.43	3.26	4.04	1.16	2.47	2.326	
April.....	1.61	4.20	3.91	.74	1.60	1.17	5.09	4.53	1.70	2.72	2.627	
May.....	1.72	1.79	3.84	3.05	2.30	1.54	.96	3.51	2.81	2.24	2.376	
June.....	2.70	3.03	4.46	3.73	2.54	2.66	2.56	2.55	2.83	5.32	3.246	
July.....	1.01	3.59	3.70	4.67	2.89	2.26	1.70	5.22	1.19	6.40	3.263	
August.....	2.29	2.39	3.48	3.59	5.60	1.89	5.37	7.98	5.64	3.24	4.147	
September.....	1.94	4.18	7.37	3.42	2.31	4.22	4.96	1.86	3.10	1.59	3.495	
October.....	4.03	3.18	5.38	4.32	3.18	4.23	2.67	3.62	2.76	1.19	3.536	
November.....	2.06	3.69	6.26	3.00	4.99	5.48	5.39	2.34	6.27	2.84	4.312	
December.....	4.75	3.44	5.31	1.28	5.11	1.26	11.42	1.90	3.22	1.17	3.886	
TOTALS.....	28.56	35.64	53.20	36.49	35.92	32.51	48.98	46.06	35.46	33.92	38.174	

RAINFALL AT *Marchmont House*

Lat. _____

Lon. _____

 County of *Perwick*

Rain Gauge, by _____

 Observer *W. P. Loney*
Tweed, Whiteadder, - 4.

Diameter	5										
Height	1. 0										
Altitude	500 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.83	2.73	1.54	2.77	4.43	2.83	4.05	1.88	2.00	.82	2.388
February	2.20	3.04	1.91	1.94	1.81	2.34	1.25	.57	2.19	2.37	1.962
March	2.84	3.48	1.84	2.92	2.15	2.13	4.16	2.41	3.87	2.96	2.826
April	2.63	1.69	4.49	1.66	1.32	3.24	1.69	1.18	2.85	4.44	2.519
May	1.32	2.35	2.52	1.87	2.08	4.03	5.10	2.62	.83	2.20	2.492
June	3.48	3.06	3.89	3.23	.78	1.05	1.53	.62	2.93	.86	2.143
July	5.17	3.04	3.96	4.48	5.48	1.62	3.83	2.21	5.13	4.87	3.979
August	1.05	5.89	3.26	3.06	1.11	1.74	2.02	2.59	2.74	4.32	2.778
September	4.82	5.06	2.40	4.29	3.01	4.29	2.57	4.36	1.01	1.56	3.337
October	3.87	3.65	5.15	3.96	1.88	4.66	4.46	1.85	1.48	5.70	3.666
November	4.86	3.25	3.41	2.11	2.54	1.79	4.32	4.35	7.27	.77	3.467
December	4.46	1.86	5.20	1.31	2.14	1.27	3.22	2.36	1.21	1.50	2.453
TOTALS	37.03	39.10	37.57	33.60	28.73	30.99	38.20	27.00	33.51	32.37	34.010

1880. Polwarth

1 mile

N.E.

1883 Trees 100ft. high. 100 yds S

RAINFALL AT Marchmont House

Lat. _____

Lon. _____

County of Berwick

Rain Gauge, by _____

Observer Dr P. Lonsy

Tweed, Whitladder - Lt.

m J A Wood

Diameter	5										
Height	10										
Altitude	500T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.98	1.96	1.89	2.09	2.79	2.74	1.38	1.78	.71	3.32	2.164
February	1.63	.21	2.63	4.05	5.98	1.12	1.29	1.40	1.21	1.57	2.109
March	2.29	4.95	1.53	.98	1.54	2.97	1.90	3.86	1.84	2.35	2.421
April	1.07	1.40	1.29	1.25	1.67	1.20	1.04	1.77	3.36	2.85	1.690
May	1.84	2.40	3.03	1.76	4.01	1.05	1.25	1.42	2.29	3.98	2.303
June	3.50	.71	3.55	3.08	2.01	3.09	2.26	3.18	1.31	1.38	2.407
July	3.06	2.50	2.46	2.69	4.04	6.14	3.55	1.65	1.24	3.72	3.105
August	5.92	6.36	3.75	2.30	3.85	3.95	2.18	3.60	3.03	1.54	3.648
September....	2.05	6.64	1.81	1.08	1.51	.24	4.34	2.72	1.69	3.34	2.542
October	2.77	1.80	5.29	1.55	4.99	7.02	5.52	2.05	6.09	1.82	3.890
November....	4.95	2.82	1.61	3.64	1.33	3.02	1.60	2.45	3.75	3.17	2.834
December	2.46	4.61	1.89	1.96	1.47	2.19	5.07	3.12	1.80	3.59	2.816
TOTALS	34.52	36.36	30.73	26.43	35.19	34.73	31.38	29.00	28.32	32.63	31.929

1893 Polwart Church, 1 mile NE
Trees 100 ft high 300 ft S

1897 -

RAINFALL AT Marchmont House

Lat.

Lon.

County of Berwick

Rain Gauge, by

Observer Mr J. A. Wood

Wind, Whiteadder - Lt.

Diameter ..	5										
Height	10										
Altitude ..	500 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.86	2.00	1.26	3.55	2.53	.62	2.31	1.30	2.53	1.74	2.170
February ..	4.23	2.16	1.36	3.71	2.33	.96	.95	1.29	1.68	2.49	2.116
March	1.99	1.80	1.16	2.53	2.22	2.62	2.31	1.92	5.37	5.47	2.739
April	2.26	1.69	2.02	1.30	2.04	3.78	1.49	1.98	1.94	4.09	2.254
May	1.36	2.95	3.44	1.67	2.83	.77	7.14	4.18	3.08	2.22	2.964
June	4.32	1.37	2.49	1.90	2.31	.32	1.71	3.88	1.73	1.90	2.193
July	3.99	1.31	2.19	4.90	2.45	2.28	2.84	2.42	2.71	2.75	2.784
August	6.00	3.64	1.85	4.36	2.83	3.99	5.52	2.95	2.16	2.32	3.562
September ..	2.03	1.36	1.43	2.84	1.07	3.05	.50	1.00	2.86	2.89	1.903
October	5.14	1.57	2.18	7.82	1.16	3.63	8.28	6.43	4.23	3.75	4.419
November ..	4.99	3.61	1.71	1.77	1.66	4.64	3.93	2.37	1.63	.65	2.696
December ..	3.63	3.72	3.29	2.14	2.63	.78	2.69	3.62	.81	3.94	2.725
TOTALS ..	43.80	27.18	24.38	38.49	26.06	27.39	39.67	33.34	30.73	34.21	32.525

1904 Marchmont Station $\frac{1}{2}$ mile E

1905 Polwarth Church $\frac{3}{4}$ " N

RAINFALL at Marchmont House.County of DerbyshireObserver Mr J. L. Wood

River Basin

At Looe - Whiteadder.Peter Ross. (1921) for R.F. 1885
d. 25. 3. 33

Rain Gauge, by

Diameter ...	5"												
Height	1.0												
Altitude ...	498												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS		50115
January ...	2.57	5.97	2.93	1.67	2.49	1.88	3.16	2.40	4.64	2.17	2.12		32.00
February ...	2.26	.60	2.96	4.23	1.36	5.28	4.62	1.03	2.56	1.84	1.07		28.31
March	2.71	2.35	2.19	1.03	.90	3.04	1.58	2.67	4.12	.17	2.25		24.11
April	2.22	.68	2.32	1.63	1.24	3.39	3.30	1.82	1.45	1.54	2.18		21.77
May	2.14	2.02	.67	2.16	5.44	4.05	1.95	2.78	1.13	1.71	.95		26.00
June .....	.72	.72	1.57	1.10	2.38	.28	3.83	3.74	5.39	2.12	1.64		23.49
July	4.07	2.97	5.40	1.80	5.76	2.01	3.50	3.40	1.58	3.88	3.59		27.96
August	3.56	4.47	2.73	4.54	3.61	3.22	3.04	7.94	4.40	4.64	4.70		46.85
September...	1.81	1.39	3.41	1.71	3.73	4.69	4.55	6.04	1.51	.21	4.49		33.54
October	2.27	3.30	3.44	3.34	3.38	2.17	4.54	2.71	3.86	2.90	3.85		35.96
November...	1.88	2.19	.92	3.58	1.57	2.16	3.94	3.31	3.42	3.61	4.38		30.96
December...	4.48	2.62	2.74	3.13	3.58	3.99	.61	2.72	1.99	5.34	2.69		31.89
TOTALS...	22.69	29.28	31.28	30.12	35.44	36.16	38.62	40.56	36.05	28.13	24.51		372.84
	2	2	2	2	2	2	2	2	2	2	2		

1924 babby - 2 ft. high 10 ft. away N.E. 2 d. w
 1925 Mr. R. F. L. E. E. E. died 31st March, 1926.

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	Direction
1919.	55°44'	2°25'	Marchmont	1/4 m.	E.	Poleworth	1/4 m.	N.

RAINFALL at Marchmont House M.W.R.County of BerwickObserver Peter Bso.River Basin H - Tweed - Whiteadder

Capt. J. H. Mc. Ewen, M.P.

Type of Gauge

Annual Average 32.2 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. B. N.

Diameter	5"											
Height	1' 0"											
Altitude	498'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	5045
January	2.38	2.13	1.32	1.52	1.81	4.33	3.11	2.77	5.81	1.67	26.85	
February	1.76	.67	2.90	.18	1.83	3.95	3.73	.85	1.87	1.55	19.29	
March	1.43	3.17	1.01	4.30	1.51	2.52	3.76	.74	2.92	3.43	24.77	
April	3.19	2.29	1.62	4.76	3.22	1.63	1.42	.38	1.57	1.85	21.93	
May	2.68	2.32	.89	1.83	1.03	1.56	3.68	2.90	.87	1.23	18.99	
June	4.49	1.42	1.09	2.87	4.11	1.32	1.45	4.03	1.80	.65	23.23	
July	4.63	2.40	3.85	1.92	1.27	2.37	2.65	3.43	3.50	7.34	33.36	
August	3.34	.75	1.48	3.25	3.16	1.66	2.87	3.06	2.13	.88	22.58	
September	1.87	3.54	1.34	2.62	2.61	3.41	1.52	2.47	1.55	2.21	23.14	
October	1.43	6.05	3.63	4.22	4.43	1.81	3.55	5.16	4.19	3.71	38.18	
November	3.81	1.19	2.50	2.91	3.76	4.03	.70	4.23	3.16	3.97	30.25	
December	.75	1.81	1.26	4.08	1.80	2.11	5.95	2.86	1.06	2.30	23.98	
TOTALS	31.76	27.74	22.89	34.46	30.53	30.70	34.39	32.88	30.43	30.79	306.57	

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	Parish Church.	Distance from gauge	Direction
1931.			Marchmont	4m	E.	Polnath	1m	N.
1938						"	2m	N.

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

Station No. 5089

RAINFALL at Marchmont House

51

County of Berwick

Observer Capt. J. K. F. Maclean M.P.

River Basin 4-Inver - Weirhead

Sir John McEwen, Bart. (1953)

Type of Gauge

Annual Average 32.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.G.N.

30.67 " " 26 " " 1931-1956 57 in. 50.88
(less 1951) 57 in. 50.92

File No. 1916-1950

Diameter ...	5"				923	753					
Height ...	1' 0"					1					
Altitude ...	498'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.73	1.86	0.99	2.53	1.88	2.42	3.20	1.91	1.56	4.77	
February ...	2.08	.64	1.31	2.18	2.60	3.30	3.23	2.36	.55	2.31	
March ...	3.13	1.58	.37	1.99	1.62	.79	1.84	2.79	.75	1.88	
April ...	2.77	1.65	2.82	.70	.64	.72	.83	2.33	1.95	1.32	
May ...	2.99	2.02	2.39	4.87	1.92	.65	1.41	2.73	.43	1.35	
June ...	1.01	2.65	2.57	2.48	1.34	2.59	1.27	3.94	2.62	1.08	
July ...	2.57	1.42	3.40	2.36	2.42	3.54	3.79	4.41	2.16	3.41	
August ...	3.70	3.54	2.27	6.13	.59	10.96	4.99	4.03	.42	3.44	
September ...	1.49	2.43	2.46	3.39	1.72	2.42	2.55	2.26	.57	1.77	
October ...	.46	3.47	1.46	5.24	2.15	1.98	2.02	1.48	2.51	7.86	
November ...	5.47	3.41	2.32	2.55	1.63	.89	1.67	1.12	4.90	2.40	
December ...	1.22	4.28	2.45	2.39	3.95	2.37	2.16	4.75	3.25	2.18	
TOTALS ...	30.62	28.95	24.81	36.81	22.44	33.33	28.96	34.13	21.67	33.77	
	D	D	D	D	D	D	D	D	D	D	

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 36/743484

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- accepted

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

Station No. 5089

RAINFALL at Marchmont House M.W.R.

41

County of Benwick Observer Capt. J. H. McEwen, R.F.

River Basin 4-Tweed-Whitadder

Type of Gauge

Annual Average 32.2 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref. B. of N.

File No.

Diameter	5"				923	753					
Height	1'0"					1					
Altitude	498'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	50 yrs means
January	3.25	4.54	3.13	1.12	6.02	1.93	2.42	7.08	1.83	1.32	32.64
February	4.29	2.90	1.33	1.72	2.10	.84	2.71	1.69	.92	2.57	21.07
March	2.72	1.91	1.13	.75	.63	2.21	5.74	.63	1.35	1.80	18.87
April	1.75	1.20	.80	1.90	1.25	.43	3.43	1.96	1.02	2.55	16.29
May	2.11	2.48	4.81	2.74	4.35	1.41	3.27	1.87	1.83	1.55	26.42
June	1.14	.96	2.44	2.71	2.77	1.44	2.89	3.57	1.15	2.60	22.00
July	2.23	2.40	1.98	3.12	2.95	2.54	2.73	1.56	2.37	2.71	21.59
August	3.21	2.61	3.87	2.42	3.06	3.97	.12	9.57	2.50	2.72	24.05
September	0.59	2.70	1.87	4.48	3.24	3.83	1.33	2.39	1.49	4.16	26.08
October	4.16	2.99	2.85	2.84	4.41	.85	.97	3.14	5.63	1.69	28.93
November	2.84	.45	2.42	5.80	.85	5.38	2.66	1.87	3.24	6.05	31.56
December	.54	1.86	1.30	2.24	1.95	1.92	1.66	2.10	3.04	1.91	18.52
TOTALS	28.83	27.00	24.66	31.84	33.58	26.75	29.93	37.43	26.37	31.63	301.02
	2	2	2	2	2	2	2	2	2	2	

269.37

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

BRITISH RAINFALL ORGANIZATION