

RAINFALL AT Gameshope farm Edinburgh W.W. No 5 a

Lat. _____

Lon. _____

 County of Peebles

Rain Gauge, by _____

 Observer W. A. Tait Esq
Tweed, R. bank - 1.

Diameter							5				
Height							1	3			
Altitude							1538	7			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							4.24	3.00	4.96	7.78	
February							4.35	8.21	5.89	8.19	
March							7.29	11.45	2.50	7.82	
April							2.57	6.48	7.58	6.24	
May70	3.89	2.91	5.57	
June							6.05	5.00	4.99	2.81	
July							7.25	4.71	1.77	5.41	
August							4.09	12.64	6.62	2.81	
September....							9.91	5.18	6.24	6.30	
October							6.69	6.34	8.93	6.69	
November....							3.05	6.63	7.96	15.65	
December							10.78	16.35	10.83	3.83	
TOTALS . . .							66.97	89.88	71.18	79.10	

1896-02. Monthly totals from P.Y. 28.XI.1913

RAINFALL AT Gameshope Farm Edinburgh W.W. No. 5

Lat. _____

Lon. _____

County of Peebles

Rain Gauge, by _____

Observer W.A. Tait Esq. C.E.

Twiss, R. Bank - 1.

Diameter							5				
Height							1	3			
Altitude							1538				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							4.33	3.03	5.12	7.78	
February							4.55	8.25	6.00	8.17	
March							7.37	11.53	2.50	7.88	
April							2.60	6.50	7.67	6.25	
May							7.0	4.00	3.11	5.60	
June							6.07	5.50		2.95	
July							7.34	4.75	1.70	4.20	
August							4.15	12.65	6.47	2.83	
September....							10.05	5.40	6.03	6.33	
October							6.83	6.38	8.53	6.80	
November....							3.00	6.68	7.95	15.65	
December							11.05	16.45	10.85	3.75	
TOTALS ...							68.04	91.12	...	78.19	

1898. Gauge leaking in June.

1896-'02. Monthly totals entered from P.Y. 28.XI.1903.

RAINFALL AT *Gameshope Farm Edinburgh W.S. N° 53*

Lat. Lon. County of *Peebles*

Rain Gauge, by

Observer *W. Anderson Esq*

Twiss, upper, R. bank - 1.

W.A. Tait Esq C.E.

Diameter ..				5							
Height				1.3							
Altitude ..				1538							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	8.31	4.21	7.12	12.88	8.84	3.03	10.36	2.79	4.79	8.91	
March	3.97	3.33	2.26	14.30	4.76	2.71	3.15	4.32	4.48	(2.54)	
April	1.05	4.17	4.99	25.18	5.33	10.14	3.87	6.69	9.13	7.49	
May	4.78	7.56	4.86	2.55	7.72	5.58	2.16	4.14	2.15	5.34	
June	8.03	1.96	3.20	4.48	4.82	4.82	8.37	8.15	3.96	3.98	
July	8.41	5.93	1.78	3.09	6.10	3.39	2.66	8.90	5.32	3.22	
August	5.22	1.96	4.02	6.21	5.91	4.44	3.99	4.36	4.86	6.67	
September ..	6.73	8.35	4.14	11.30	5.53	8.37	10.07	7.73	5.59	4.10	
October	6.99	9.31	4.53	5.63	6.36	3.92	2.09	1.13	8.38	3.45	
November ..	8.01	7.79	5.14	16.83	3.68	5.12	11.03	12.81	3.05	15.71	
December ..	8.16	4.33	6.85	6.54	3.03	8.89	6.49	6.77	5.70	3.46	
TOTALS ..	17.11	5.42	10.36	6.93	6.37	5.70	3.41	8.35	5.79	7.57	
	86.77	64.32	59.25	115.92	71.45	66.11	67.65	76.14	63.20	(72.44)	74.328

1909. Feb. corrected for S. orig. fig 2.04 in. The Trustees of the Edinburgh M.A. would not recognise the correction and so the original amount (71.94) was printed with a query.

1896-02. Monthly totals entered from P. V. 28. XI. 1913.

RAINFALL AT *Garneshope Farm Edinburgh W.H. No 5*

Lat. Lon. County of *Peebles*

Rain Gauge, by

Observer *W. Anderson Esq*

Inver, upper. Rebank - 1.

W. A. Tait Esq C.E.

Diameter ..				8								
Height				1 3								
Altitude ..				1538								
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..												
February ..	8.00	4.19	7.13	12.86	8.84	2.50	9.61	2.15	5.48	7.66		
March	3.85	3.65	2.22	14.30	4.76	2.43	2.47	3.42	3.87	(254)		
April	1.08	4.26	5.05	25.03	5.34	8.20	3.40	5.69	8.06	(740)		
May	4.75	7.66	4.87	1.90	6.50	5.05	1.98	3.85	2.08	4.91		
June	8.05	1.92	3.15	4.45	3.84	3.96	7.90	7.00	3.47	3.73		
July	8.50	5.93	1.78	3.07	5.84	3.02	2.86	7.81	4.83	3.19		
August	5.25	2.03	4.00	6.18	5.18	4.18	3.72	4.21	4.49	6.68		
September ..	6.70	8.30	4.13	11.06	7.48	7.23	9.60	7.00	6.08	3.85		
October	7.02	9.38	4.53	5.55	5.17	3.73	1.90	1.00	8.52	3.32		
November ..	8.39	7.77	5.13	15.80	2.79	4.68	10.11	12.10	2.90	14.44		
December ..	8.26	4.35	6.82	5.53	2.70	8.50	5.99	6.16	5.08	3.02		
TOTALS ..	17.50	5.60	10.38	6.92	5.22	5.11	3.01	7.38	5.08	(734)		
	87.35	65.04	59.19	112.65	63.66	58.59	62.55	67.77	59.94	(68.08)	7048.2	

646

1909. The Trustees of the Edinburgh W.R. would not admit our corrections and so the original amount was printed with a query (64.58?)

Orig. figs Feb. 2.04 Mar. 5.40 Dec. 6.34 Jan. 64.58

1896-1902. Monthly totals entered from P.T. 28. XI. 1913

RAINFALL at Gameshope Farm, Edinburgh N.W. No. 5a.County of PeeblesObserver. Messrs Leslie & Reid C.E.River Basin upper Tweed Right bank trib. 1W. A. Tait

Rain Gauge, by _____

Diameter ...	5												
Height	1 3												
Altitude ...	1538 ^{ft}												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	SUMS	
January ...	6.68	5.24	6.20	8.78	5.61	4.07	11.52	2.11	6.12	6.71	6.804	26.48	
February ...	10.32	8.34	6.58	5.13	13.05	11.59	6.11	1.30	10.67	1.23	7.432	19.31	
March	9.05	2.57	9.47	9.67	8.44	1.68	3.10	2.55	2.85	3.75	5.313	12.25	
April	7.09	7.25	1.43	8.95	4.20	3.98	11.76	3.15	1.42	4.23	4.646	13.56	
May	3.28	5.95	2.01	6.26	3.48	1.72	5.10	2.90	3.80	2.20	3.676	14.06	
June	2.32	4.31	8.44	4.47	3.17	1.71	5.24	4.77	2.46	3.92	4.081	16.39	
July	7.93	3.44	5.67	.93	4.01	5.04	5.16	3.61	4.86	2.14	4.279	15.77	
August	11.70	5.04	6.18	2.73	5.49	3.62	5.79	12.56	4.41	5.01	6.253	27.77	
September ..	1.41	2.42	3.24	3.98	2.86	2.12	3.98	5.81	10.61	5.34	4.177	25.74	
October ...	5.21	5.21	6.30	6.99	3.20	3.24	12.31	11.25	13.63	3.46	7.080	40.65	
November ...	3.67	9.95	5.14	7.07	10.09	3.45	10.95	8.30	8.38	5.82	7.282	33.45	
December ...	9.02	15.12	15.86	4.94	13.50	11.49	5.14	2.93	8.07	13.10	9.917	29.24	
TOTALS ...	77.68	74.84	76.52	69.90	77.10	53.71	79.16	61.24	77.28	56.97	70.440	274.65	

D

D

274.65

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

RAINFALL at Garnchope Farm, Edinburgh N.W. No 5County of PerthObserver Messrs. Leslie & Reid, L.E.River Basin Wood Clapper Right bank tribs. 1: W. A. Tait

Rain Gauge, by _____

M.

Diameter ...	8											
Height	1 3											
Altitude ...	1538											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.46	4.76	6.59	8.71	5.38	3.75	10.56	2.44	8.14	5.79	6.58	
February ...	8.87	8.46	6.91	5.04	11.63	11.49	7.02	1.38	8.87	1.18	7.05	
March	8.00	2.50	9.10	8.26	8.24	1.41	2.49	2.46	2.70	3.36	4.85	
April	6.70	7.31	1.36	8.70	4.24	3.80	5.88	2.68	1.44	4.08	4.61	
May	3.12	6.15	1.89	6.49	3.63	1.68	6.20	4.80	4.73	1.98	4.06	
June	2.30	4.51	8.64	4.53	3.23	1.62	5.09	4.50	2.46	3.35	4.22	
July	7.34	3.30	5.88	1.01	4.15	5.99	6.02	2.70	5.90	2.14	4.44	
August	11.38	5.10	6.33	2.75	5.45	3.55	5.09	11.50	4.10	5.40	6.06	
September...	1.40	2.39	3.37	3.78	2.81	2.06	3.45	6.26	10.40	6.20	4.21	
October ...	5.14	5.36	6.54	6.93	3.31	3.28	11.55	10.20	12.20	3.25	6.76	
November ..	3.28	10.30	5.42	6.89	9.74	3.31	10.36	7.60	7.00	5.40	6.93	
December...	8.86	14.77	16.58	4.72	13.42	12.02	4.50	2.50	6.89	11.59	9.58	
TOTALS ...	71.85	74.91	78.61	67.81	75.23	53.46	78.21	59.02	74.83	53.72	68.81	

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

RAINFALL at Edinburgh Waterworks (James Watson Farm) ²⁰County of Peebles Observer Wm. Leslie Reid Esq.River Basin 1 Tweed, upper, R. bank.

Rain Gauge, by _____

Diameter ...	5												
Height	13												
Altitude ...	1538												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SVHS	
January ...	9.49	9.37	5.20	6.90	7.30	6.67	9.84	9.00	16.30	1.64	11.00 10.94 1.06	92.71	
February ...	8.25	1.40	5.80	10.75	9.5	4.65	6.54	3.36	5.10	2.37	1.87 1.61	49.74	
March	11.01	13.86	3.91	3.45	1.05	2.03	2.64	4.99	7.34	1.13	3.47 1.60	54.88	
April	6.39	1.71	4.72	4.20	4.28	6.65	3.90	3.54	2.00	1.46	2.46 1.81	41.31	
May	7.48	5.22	3.38	3.10	5.72	10.35	6.02	4.40	2.42	6.40	2.80 3.08	56.99	
June	2.60	1.11	3.20	1.10	2.92	1.68	6.42	6.09	7.84	2.40	4.90 4.41	39.26	
July	7.29	5.94	7.15	5.10	6.68	2.26	4.40	6.65	4.05	6.29	5.84 4.40	61.35	
August	6.88	8.80	5.35	11.75	6.85	6.03	6.12	8.20	11.74	8.94	10.10 10.80	90.76	
September...	3.84	3.27	3.25	8.47	7.18	3.93	5.53	9.10	5.60	1.10	7.19 7.10	58.37	
October	3.91	4.00	5.40	11.03	5.09	8.40	4.29	9.10	14.74	8.10	15.40 17.04	89.46	
November...	5.00	4.18	3.95	5.05	4.37	2.75	9.93	6.10	11.10	13.35	7.90 7.14	73.68	
December...	6.99	7.50	(6.95)	5.88	13.32	5.22	1.66	2.50	5.40	18.40	6.27 6.00	75.39	
TOTALS...	79.13	66.66	58.26	76.78	65.71	59.62	67.29	73.03	93.63	66.58	71.21 (61.22)	783.90	

1922. Dec. proportioned.

1923. Nov. 8. pagen. 66. took average.

1930

Site inspected by Dr. Glasfurd 19.9.27.

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

RAINFALL at Edinburgh Waterworks (Garncliffe Farm) 5ACounty of Peebles Observer Messrs. L. & A. Reid, G.B. (M)River Basin 1 Tweed, upper, R. & M.

Rain Gauge, by _____

Monthly

Diameter ...	8										
Height	1.3										
Altitude ...	1538										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	8.21	10.56									11.00
February ...	7.40	1.01									
March	10.20	11.75									
April	7.15	1.46									
May	9.03	4.59									
June	2.30	.89									
July	6.51	6.45									
August	6.94	8.40									
September...	4.21	1.75									
October	3.79	3.70									
November...	4.51	3.42									
December...	8.05	8.19									
TOTALS...	78.3	62.20									
	11										

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

RAINFALL at Edinburgh W.W. (Gameslope Farm) No. 5.

County of Peebles Observer Messrs. Leslie & Reid, G.E.

River Basin 1. Tweed Upper - Right Bank Edinburgh Water Engineer (1937)

Type of Gauge.....

Annual Average 59 1/4 in. based on 27 years obs. un-weighted. Period of average 1881-1918 Ref. 5

* selected 6.36 as no longer appropriate

Diameter	5"					8						
Height	1' 3"					1.6						
Altitude	1538'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SUMS	Means
January	6.10	14.16	13.72	15.58	4.60	10.37	14.28	12.47	11.05	2.50	104.75	
February	6.00 (2.40)	3.9	4.80	.50	8.80	7.37	8.95	6.00	13.80	2.62	59.23	
March	4.40	4.62	6.12	6.32	2.95	5.21	3.52	5.50	8.88	8.55	54.07	
April	4.71	5.80	4.15	7.95	6.85	2.47	4.24	.97	3.77	3.70	44.61	
May	7.10	4.24	2.43	6.40	1.00	1.02	3.02	9.17	1.22	2.06	37.66	
June	10.90	3.05	2.40	2.85	7.90	5.10	5.12	11.78	7.43	2.04	58.57	
July	7.93	9.80	7.60	4.80	2.85	7.70	7.04	9.00	8.15	8.88	73.83	
August	3.70	2.00	4.10	9.02	3.65	4.58	5.12	3.03	1.78	3.58	40.56	
September	2.19	7.37	2.10	11.45	9.75	5.90	5.31	.47	2.78	6.72	54.04	
October	7.03	11.20	5.00	10.30	10.37	8.02	6.58	12.32	5.75	7.34	84.41	
November	15.10	6.05	4.27	3.08	8.90	6.93	1.70	16.78	13.20	9.02	85.08	
December	7.75	15.90	1.67	15.10	5.30	13.92	4.32	9.15	4.22	(6.50)	83.83	
TOTALS	80.91 82.71	84.58	58.36	93.27	72.92	78.72	69.20	96.64	82.03	64.01	720.64	

1931 March adjusted for drifting snow
1936 Open Hillside no objects.
1940 Jan. part estd. Dec. estd. for snow.
g found to be leaning on 1/1/33.

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
1936			Broughton	15 mi.	N.E.	Tweedmouth	6 mi.	N.

Station No. 5070

RAINFALL at Edinburgh W.W. (Garneshope Farm) No. 5 41County of Peebles Observer Edinburgh Water EngineerRiver Basin 1-Tweed, Upper-Right BankType of Gauge PressureAnnual Average 7.3 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. J.W.S.

File No.

Diameter	8"					905	334				
Height	1'6"						1				
Altitude	1538'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.00	6.00	10.02	9.12	5.30	10.55	8.00	11.48	7.62	5.43	76.52
February	6.40	2.50	5.59	2.75	8.00	4.60	3.00	8.50	8.84	10.07	60.25
March	4.60	3.41	1.61	0.72	4.31	5.30	7.50	7.23	2.50	9.72	46.90
April	3.34	7.64	3.59	4.34	2.99	2.32	13.72	3.92	8.50	6.00	56.36
May	5.55	7.47	5.13	3.72	6.72	1.64	4.70	3.70	4.73	2.56	45.92
June	0.78	1.34	5.40	5.32	6.27	5.86	5.89	8.78	2.43	4.73	46.80
July	4.48	5.10	4.20	3.72	5.45	7.10	4.40	5.92	3.02	7.58	51.07
August	8.28	10.46	10.93	4.45	3.13	7.65	11	11.18	6.96	10.28	73.43
September	3.92	8.71	6.74	5.14	10.20	12.03	6.58	8.50	3.81	15.50	81.24
October	6.10	8.51	15.12	6.63	8.55	1.10	3.45	6.28	18.90	8.00	75.64
November	10.78	2.62	3.68	9.60	.91	16.02	9.26	6.00	8.85	6.77	74.49
December	4.30	12.50	4.84	8.52	6.50	6.28	4.00	12.70	12.00	3.56	75.20
TOTALS	61.54	76.26	76.85	64.03	68.43	80.45	70.61	94.19	81.26	90.20	763.82
	M	M	M	M	M	M	M	M	M	M	

1941 Jan - Feb, Mar - Apr app. + ft. estd.

1942 Nothing near gauge. Open Hillside

1943 Jan - Mar app. Dec. estd.

1943 Container repaired July/43.

1944 Feb - March app.

1945 Jan - Feb app.

1945 Engrs would like accurate 16-08 Jan-Mar app. 7.23, 2.57, 6.28, 4.68, 6.23. 1945 don't agree but have given full estimate. Name will not be printed. 1945 sec app with 3m/4m by W.S.

Average (71.3) 1941-1945

30000 60000

70004 00014 40004 60014

1950 Jan, Feb + Dec. app. by Engineer

1947 Low for aith during cross-casting for averages 1916-50 445.

1947 Total accepted for averages.

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
1941			Broughton	15 mi	RE.	Tweedsmuir	6 mi	N.
	54004	70014						
		X						

BRITISH RAINFALL ORGANIZATION

RAINFALL

8

at Edinburgh W.W. (Garneside Farm)

Station No. 5070

51

County of Peebles

Observer Edinburgh Water Engineer

River Basin Tweed Upper Right Bank

Type of Gauge Octapent

Annual Average 71.3 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

" 79.11 " 24 " within 1934-58. " " 1916-50 " 8

File No.

Diameter ...	8"				905	334					
Height ...	1' 6"										
Altitude ...	1538					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(9.44)	9.00	(2.40)	(5.16)	8.40	(4.59)	11.50	10.00	2.50	8.50	7149
February ...	(6.36)	2.25	3.02	(6.21)	(3.00)	(2.01)	7.20	(6.30)	2.50	9.10	4801
March ...	(5.64)	6.00	0.99	(5.16)	(3.10)	3.30	7.50	3.10	6.50	2.40	4369
April ...	7.78	5.00	5.25	2.00	(2.10)	.90	3.50	(2.50)	8.00	8.50	8553
May ...	3.00	3.00	5.50	8.00	6.10	4.60	3.50	6.00	2.60	4.50	4680
June ...	4.23	4.20	2.65	7.06	3.80	5.50	2.50	4.20	4.90	4.00	4304
July ...	5.50	4.32	11.00	6.54	2.30	7.80	6.40	6.80	6.20	6.00	6286
August ...	11.00	6.74	6.02	6.52	2.20	10.30	7.50	7.90	2.80	4.30	6528
September ...	9.20	3.78	9.00	11.09	5.70	8.00	5.20	7.60	1.70	5.90	6717
October ...	0.97	8.68	5.54	14.50	5.60	5.60	7.50	6.20	6.50	6.30	6739
November ...	16.00	5.90	10.07	15.20	4.70	3.20	4.30	2.00	19.50	14.50	9537
December ...	(13.75)	7.70	7.53	10.51	(8.14)	12.00	10.00	8.00	9.00	7.50	9413
TOTALS ...	(92.87)	66.57	68.97	97.95	55.14	67.86	76.60	70.60	72.70	81.50	75096
	9	M	M	M	M	M	M	M	M	M	

1952. Nov-Dec app.

1955. Engineer agreed with 103 values for Feb-April, Dec app. by with Jan, Feb, 1916 by Engineer.

1961. H.P. Big. Dec est at 10.00 by MO, not accepted by Eng.

Ins. 9.60 J. Shaw. ~~Good~~ Good site. But b.w in dis repair. Site might be tried without r.w. in which case irregularities should be smoothed out.

Delivery pipe needs re-soldering.

1964 Feb low and altered by H.P. Eng agree.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NT(36)139176

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 Jan?

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ n.p. 47	
	- 24 D 14.6 19	230.21	-	-	