

RAINFALL AT Quarter Hill, Edinburgh New No. 7a

Lat.

Long.

County of Peebles

Rain Gauge, by

Observer W. A. Tait Esq. CL.

Tweed, R. bank - 1.

Diameter										5	
Height									1 3		
Altitude									1196 X		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January									2.49	1.85	3.06
February									2.39	3.56	3.42
March									5.59	6.75	1.83
April									1.98	3.36	4.23
May									1.75	2.31	2.85
June									3.98	5.19	2.97
July									5.07	3.56	1.81
August									2.70	6.96	5.10
September									5.20	4.05	4.32
October									5.00	3.15	6.28
November									1.69	4.21	5.84
December									6.15	9.18	7.62
TOTALS									42.99	54.13	49.33
											51.86

'96-'02 monthly totals entered from P.Y. 28. XI. 1913.
 1899 April. G. tampered with.

RAINFALL AT Quarter Hill Edinburgh U.W. No. 7

Lat.

Long.

County of Peebles

Rain Gauge, by

Observer W. A. Tait Esq. Esq.

Sewed, Bank - 1. Monthly.

Diameter										5		
Height										1 3		
Altitude										1196 ft		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January											2.49 1.74 2.82 5.40	
February											3.03 3.90 3.40 4.20	
March											5.20 6.43 1.55 4.02	
April											1.97 3.36 4.57 4.33	
May75 2.54 2.81 2.93	
June											4.24 5.00 2.80 1.58	
July											4.80 3.55 1.72 3.23	
August											2.70 7.32 5.13 2.40	
September....											5.25 3.70 4.35 5.55	
October.....											5.11 3.13 6.00 4.03	
November....											1.59 4.20 5.80 10.17	
December....											6.25 9.80 7.14 2.30	
TOTALS											43.38 54.67 48.09 50.14	

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

RAINFALL AT Quarter Hill Edinburgh W.W. No 7

Lat. Lon. County of Peebles

Rain Gauge, by

Observer W. J. Anderson Esq.

monthly. Tweed Upper, Rounie - 1. S. a Tait Esq. cl.

Diameter ..				8							
Height ..				1 3							
Altitude ..				1196 ft							
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.46	2.38	3.87	6.82	5.00	2.53	7.00	1.77	4.16	4.62	
February ..	2.77	2.11	.90	7.33	3.43	2.29	2.77	3.08	2.90	2.20	
March ..	.28	1.80	2.75	12.35	3.17	6.56	2.44	4.18	5.74	(4.04)	
April ..	3.80	4.33	3.60	1.24	5.02	3.29	2.05	3.00	1.67	3.45	
May ..	4.76	1.80	2.32	2.77	3.41	2.32	5.50	4.95	3.28	2.84	
June ..	4.15	3.56	1.27	1.93	3.47	2.34	2.24	4.53	2.95	2.70	
July ..	3.25	1.22	2.59	3.96	3.43	3.16	3.25	3.55	2.41	5.49	
August ..	4.42	5.26	2.40	6.40	4.70	4.25	7.14	6.09	4.53	2.88	
September ..	3.93	3.91	3.02	3.58	3.03	2.67	1.19	1.05	5.78	2.91	
October ..	6.07	4.63	3.05	11.66	2.43	3.73	6.36	8.50	1.67	9.62	
November ..	4.75	2.95	4.34	3.57	2.23	5.50	4.78	3.59	3.82	2.40	
December ..	8.23	2.67	6.24	4.00	3.72	3.87	3.03	4.82	2.64	4.75	
TOTALS ..	51.87	36.62	36.35	55.61	43.04	42.51	47.75	49.06	41.55	(47.90)	46226

553

1904 Gauge covered by snow

1909. Mar. orig. fig. 2.54

The Trustees of the Edinburgh W.W. would not admit our correction and so the orig. amount was printed with a query (46.40?)

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

RAINFALL AT

Quarter Hill Edinburgh S.W. No 72

Lat. Lon. County of Peebles.

Rain Gauge, by
Tweed, Upper, Robark - 1.Observer W. Anderson Esq.
W.A.T. Acting Cl.

Diameter ..				5							
Height ..				1 3							
Altitude ..				1196 ft							
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.60	2.73	4.21	6.15	5.16	2.58	7.09	1.90	4.27	4.68	
February ..	2.77	1.82	.94	7.79	3.10	2.50	3.00	3.29	3.12	2.26	
March ..	3.34	2.36	2.45	13.43	2.88	6.62	2.63	4.44	5.92	(4.27)	
April ..	3.78	5.03	3.60	1.16	5.44	3.39	2.06	2.85	1.68	3.37	
May ..	5.11	1.98	2.35	3.01	3.33	2.56	5.86	4.99	3.29	2.79	
June ..	4.70	3.83	1.16	1.46	3.61	2.33	2.39	4.85	2.90	2.66	
July ..	2.89	1.37	2.59	4.50	3.77	3.18	3.22	3.55	2.43	5.47	
August ..	5.07	6.15	2.28	6.35	4.73	4.41	7.32	6.20	4.54	2.72	
September ..	4.01	4.15	3.19	3.50	3.03	2.76	1.18	1.08	5.71	2.82	
October ..	5.79	4.99	3.05	12.26	2.50	3.68	6.54	8.60	1.65	9.32	
November ..	5.24	3.67	4.36	3.97	3.03	5.67	4.84	3.64	3.81	2.30	
December ..	10.19	5.37	6.19	4.41	4.44	3.97	3.14	4.92	2.64	4.93	
TOTALS ..	55.49	43.45	36.37	67.99	45.02	43.65	49.27	50.31	41.96	(47.59)	48110

D 556

1904 Feb. Gauge covered by snow

1906 Mar. Snow drift on gauge

1909. The Trustees of the Edinburgh W.W. would not admit our correction for Mar. and so the orig. amt. was printed with a query.
 Orig. figs. Mar. 2.77 Year. 46.09.

'96-'02. Monthly totals entered from P.Y. 28.XI.1913.

RAINFALL at Quarter Hill, Edinburgh W.W. No. 7a.

County of Peebles.

Observer Messrs. Leslie & Reid b.s.

W. A. Tait

River Basin Tweed - Right bank trib. 1.

Rain Gauge, by.

Diameter ...	5									
Height	1 3									
Altitude ...	1196 \pm									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	3.60	3.30	4.68	5.52	4.03	3.14	8.75	3.23	4.59	4.17 44.98
February ...	7.61	5.89	4.46	3.34	7.90	6.55	4.96	.80	7.00	.51 49.02
March	5.78	1.78	5.48	6.01	5.88	1.41	2.06	1.91	1.38	3.29 34.98
April	4.47	5.44	1.05	6.67	3.19	2.93	4.36	1.41	.75	5.44 35.71
May	1.98	4.58	1.35	4.47	2.51	1.12	3.93	2.55	3.01	1.13 26.63
June	1.75	3.48	5.04	3.21	1.72	2.09	3.31	2.56	1.94	2.91 28.01
July	5.39	1.91	3.09	.97	2.59	5.26	6.05	1.74	3.06	1.46 31.32
August	6.50	2.74	4.10	1.77	3.27	2.84	3.95	7.51	3.14	3.10 38.98
September	1.16	1.92	3.08	2.29	2.17	1.51	2.64	4.55	1.18	4.53 31.03
October ...	4.03	4.21	4.05	4.35	2.03	1.87	8.50	6.98	7.54	2.85 46.11
November ...	2.84	7.68	4.32	5.57	7.29	2.17	7.39	5.81	6.17	4.57 53.51
December ...	6.35	10.74	9.43	4.30	10.46	7.77	4.28	2.11	4.37	9.09 68.70
TOTALS ...	51.46	53.67	50.13	48.47	53.04	38.63	60.18	41.16	50.13	42.31 489.18

RAINFALL at Quarter Hill, Edinburgh W.W. No. 7. M

County of Peebles.

Observer Messrs. Leslie & Reid C. E.

River Basin ^{Upper} Tweed - Right bank trib. 1.
W. A. Tait.

Rain Gauge, by

Diameter ...	8											
Height	1 3											
Altitude ...	1196 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	SUMS 1916-19 19.18
January ...	3.53	3.32	4.44	5.33	3.85	2.91	8.27	2.20	4.73	3.98	4.266	12.61
February ...	7.98	5.91	4.03	3.51	7.77	7.70	11.61	.75	6.73	.52	4.901	11.47
March	5.84	1.77	5.26	5.76	5.68	1.39	2.01	1.80	1.37	3.15	3.403	8.33
April	4.53	5.44	1.02	6.84	3.18	2.99	11.24	1.13	.76	5.34	3.547	10.46
May	2.06	4.56	1.37	4.48	2.40	1.11	4.05	2.43	2.94	1.04	2.644	10.16
June	1.82	3.44	5.02	3.28	1.64	2.17	3.24	2.56	1.91	2.95	2.803	10.16
July	5.40	1.90	3.06	9.8	2.66	5.27	6.03	1.70	3.06	1.08	3.114	11.87
August	6.70	2.72	4.07	1.83	3.31	2.93	11.52	7.45	3.12	2.85	3.948	17.92
September ..	1.20	1.95	3.10	2.36	2.14	1.58	2.64	4.43	7.13	3.70	3.023	11.90
October ...	3.92	4.02	4.00	4.29	2.06	1.98	8.35	6.84	7.10	2.46	4.502	24.75
November ...	2.94	7.51	4.14	5.60	7.09	2.14	7.09	6.82	5.90	4.05	5.228	22.88
December ...	6.46	10.78	9.68	4.08	10.25	7.86	11.18	1.95	3.90	8.45	6.759	18.48
TOTALS ...	52.38	53.32	49.19	48.34	52.03	40.03	59.23	39.06	48.65	39.55	48.75	186.49

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

20

RAINFALL at Edinburgh Water Works, (Leith & Leven) No. 7.
 County of Peebles. Observer George Leslie & Reid, Esq. M.
 River Basin Tweed, Upper, Robert.

Rain Gauge, by

Molle

Diameter ...	Inches										MEANS.	SUMS
Height												
Altitude ...												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January ...	6.20	8.33	4.23	4.45	5.10	6.27	8.65	6.87	11.65	12.5	7.30	70.30
February ...	4.80	.83	4.00	6.35	.97	5.30	4.58	2.18	4.70	12.5	.85	35.81
March	7.00	7.72	2.75	2.05	4.2	1.82	2.30	4.02	6.65	8.2	3.03	38.88
April.....	3.18	1.33	3.57	3.97	2.92	5.30	2.92	3.45	1.62	1.50	2.10	31.86
May	6.32	2.53	3.21	3.29	4.10	6.95	3.90	2.70	1.72	4.80	2.02	41.04
June	1.84	.77	2.41	1.70	1.90	1.48	5.00	4.95	4.80	2.40	2.79	29.04
July	4.35	4.13	5.70	4.45	4.42	1.98	3.27	3.55	3.48	3.65	6.62	45.80
August	5.21	5.72	3.20	7.95	4.50	4.62	4.20	6.10	7.80	6.65	7.75	63.70
September	2.93	2.30	2.71	7.25	4.50	3.82	4.20	6.80	4.38	.85	3.10	42.84
October.....	2.81	3.70	3.42	7.40	3.47	5.32	4.10	6.94	8.85	6.45	8.22	60.68
November...	2.80	1.96	2.90	3.92	3.15	2.25	7.55	5.42	5.92	7.82	5.55	50.24
December...	5.55	6.86	5.30	4.15	10.30	4.62	1.70	1.79	4.06	11.68	4.07	60.08
TOTALS...	53.99	46.18	43.40	56.93	45.75	48.73	52.57	54.77	65.63	48.62	52.90	569.47
	4											

Site inspected by Mr. Glaspoole 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 Water Works (Dante Hill) No. 7.A.

County of Peebles. Observer Mr. Leslie Reid, G.E.

River Basin Tweed, upper, 2 miles

Rain Gauge, by

Diameter ...	5"										MEANS.
Height	13										
Altitude ...	1196										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...	6.68	8.98	4.51								
February ...	5.38	83	4.14								
March	7.44	8.36	2.80								
April	3.18	1.36	3.71								
May	6.71	2.53	3.17								
June	1.89	77	2.38								
July	4.52	4.21	5.68								
August	5.27	5.96	3.15								
September...	2.98	2.33	2.65								
October	2.81	3.73	3.47								
November...	4.01	1.96	1.89								
December ...	6.01	7.56	4.11								
TOTALS...	56.89	48.48	41.66								

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 w.e. (Quarter Mile) N° 7.

County of Peebles.

Observer Messrs Seale & Reid, G.E.

River Basin - Tweed upper - Right Bank.

Edinburgh Water Engineers (1937)

Type of Gauge.

Annual Average, 7.2 in. based on 33 years obs. unweighted. Period of average 1851-1915 Ref. 5

* Selected 6.36 as no longer appropriate.

Diameter	8"										
Height	1' 3"					1' 0"					
Altitude	1196										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SUMS Means
January	4.10	13.12	8.90	9.78	2.90	5.40	9.00	8.20	6.91	2.00	70.31
February	3.65	5.9	5.50	3.32	6.18	3.10	3.20	3.75	8.02	1.45	35.76
March	0.85	4.32	3.80	4.88	2.10	3.08	1.70	3.42	5.02	4.75	33.92
April	4.95	5.26	2.20	4.05	4.65	1.22	2.63	.58	2.21	3.14	30.89
May	3.25	3.22	2.05	4.60	.97	.65	1.88	5.19	.67	1.08	23.56
June	5.97	1.65	1.85	1.80	4.40	3.38	2.43	7.53	2.32	1.47	32.80
July	5.10	6.95	4.65	2.68	1.85	5.08	4.62	4.95	4.38	5.10	45.36
August	3.35	1.15	2.62	4.77	2.40	2.03	3.90	2.32	2.38	2.32	27.24
September	1.36	5.00	1.65	6.88	5.10	3.77	3.21	4.12	2.20	5.53	38.82
October	4.25	8.40	4.45	8.50	8.80	5.93	5.20	10.06	3.92	5.19	64.70
November	9.05	3.90	3.23	2.85	5.67	4.73	.83	11.68	10.38	6.00	58.32
December	6.01	13.70	1.00	8.80	2.53	7.58	3.28	5.74	2.23	(5.00)	55.87
TOTALS	51.89	67.26	41.90	59.91	47.56	45.95	41.88	67.54	(50.64)	43.03	517.55

1936 Tung Wall 1 ft. high 6 ft. see round.
1940 Dec. 28th.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
1936			Broughton	10½ mi.	N.E.	Sweedonmore	1½ mi. N.

Station No. 5072

RAINFALL at Edinburgh W.W. (Quarter Hill) No. 7 (1950) 41

County of Peebles Observer Edinburgh Water Engineer.

River Basin 1-Tweed, Upper-Right Bank

Type of Gauge 9" (1950)

Annual Average 46.4 in. based on 24 years obs., un-weighted. Period of average 1881 - 1915 Ref. I.W.S.

File No.

Diameter	8"			905	267						
Height	1' 0"					1					
Altitude	1196'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	BUYS Means
January	(2.67)	(4.50)	6.99	6.92	4.05	6.80 (6.58)	8.03	(5.24)	(3.00)	54.78	
February	(5.39)	(2.00)	5.23	(2.40)	6.43	3.18 (2.34)	4.12	5.40	(5.82)	42.31	
March	(2.70)	(2.48)	1.33	(0.75)	3.38	3.08 (5.71)	4.29	1.74	5.87	31.33	
April	(1.62)	3.72	3.11	2.54	1.54	1.30 10.28	3.45	5.19	5.10	37.85	
May	4.88	3.58	5.13	2.27	5.45	9.0 3.72	2.09	2.10	2.03	32.15	
June	2.02	0.94	4.14	3.67	4.30	3.80 4.01	6.30	1.26	2.93	32.37	
July	4.89	3.56	2.42	2.43	3.52	5.00 3.22	3.27	1.78	5.13	35.52	
August	5.88	4.50	5.18	3.11	1.93	4.55 0.05	6.77	4.07	5.73	41.77	
September	1.93	4.96	4.27	4.74	7.30	7.18 3.00	5.53	2.08	10.23	51.22	
October	3.67	6.15	9.22	4.62	5.20	9.3 1.07	3.48	8.30	4.73	47.37	
November	5.82	1.41	3.04	7.81	.78	9.73 6.43	4.12	5.80	4.43	49.37	
December	3.00	(8.50)	2.98	7.98	4.30	5.03 2.43	(8.73)	9.72 (2.47)		55.14	
TOTALS	(44.4)	(46.30)	53.34	49.24	48.18	51.48 (42.84)	59.18	52.68	57.41	511.18	

1941 Jan + Feb avg for snow. March - April avg. 1950 Jan, Feb, & 1st 10 days by Augus.
 1942 Jan Mar avg. Dec + Jan 1943 avg. 1944 Feb + Mar avg. 1950 00014 00004 00004
 1947 Jan - May avg by Augus. (1103.6 app. 6.48, 3.00, 6.20 year 49.89) Diff. is so small compare values
 Published and 1936 consider their avg. as more likely.
 1948 Dec avg. with Jan 49 by Aug.

30000

Average (46.4) recorded 1946.
Avg well round gauge.

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
1941	54°00' N	0014	Broughton	10½ mi	N.E.	Tweedsmuir	1½ mi N.

Station No. 5072

51

RAINFALL at Edinburgh W.W. (Quarter Mile)

County of Peebles Observer Edinburgh Water Engineer

River Basin Tweed Upper - Right Bank

Type of Gauge 0.25 cent

Annual Average 46.4 in. based on 24 years obs. unweighted. Period of average 1881-1915 Ref. I.W.S.
 " 51.25 " " 40 " Within 1916-50. " " 1916-50 " S.
 215 517 File No.

Diameter	8"			905	267						
Height	1' 0"					1					
Altitude	1196'					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(5.84)	5.84	(1.60)	(4.85)	(3.80)	(3.33)	8.00	6.90	3.60	6.80	
February	4.43	1.46	1.82	(5.84)	(2.20)	(1.88)	8.50	(4.50)	1.30	7.00	
March	3.28	2.38	0.63	(4.85)	(2.10)	2.50	3.80	2.00	3.30	2.20	
April	2.96	3.96	3.25	1.05	2.00	1.00	3.10	2.00	4.60	5.60	
May	2.58	1.74	4.50	6.05	3.90	2.70	2.50	3.30	3.50	3.20	
June	1.94	2.78	2.63	3.00	2.00	3.30	2.20	4.00	3.40	2.90	
July	3.65	3.00	7.56	4.04	2.20	(4.00)	3.20	(5.10)	6.00	3.30	
August	6.28	4.60	4.55	5.50	1.70	8.20	4.70	5.00	1.00	4.00	
September	4.89	2.43	5.10	6.53	4.60	4.30	2.50	4.70	1.50	3.20	
October	0.63	6.00	3.52	9.40	3.60	4.00	4.30	3.40	6.00	2.70	
November	11.09	(4.00)	5.85	12.40	3.00	2.00	2.50	1.70	12.00	9.50	
December	10.12	(5.10)	3.56	6.40	(6.05)	(7.20)	6.60	6.50	7.00	5.30	
TOTALS	57.69	43.36	44.57	69.91	37.75	44.41	47.90	49.30	53.20	55.70	
	7	7	M	M	M	M	M	n.p. May	May	May	

1952 Jan Feb app 40000 41000 41001 41002 20404
 1955 Jan 1st by 105. Feb. March app., adj. for snow by 103. Dec. app. with Jan. Feb 1956 by 2nd.

1958 n.p. high.

Ins. Q. 60. J. Shaw. Badley o/e N. & W. - numerous small raised tufts round g. 2 ft. 1 min series from b* to site. Grass overhangs g. No better site on hill. If present site to be retained rebuild t.w. level tufts. Keep grass in check. Preferably abandon site.

Surf well round gage since 1936 (57) 1959 1960 np on map

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NT(36) 097.235

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
	40004 60034					

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
	/	/	/	/	/
	-	-	-	-	-