

RAINFALL AT *Harehill*

Lat.

Lon.

County of *Edinburgh*

Rain Gauge, by

Observer *W. A. Cameron Esq**Ex-4.*

Diameter....												
Height												
Altitude												
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January							1.90	10.00	6.40	4.50		
February. . .							4.10	4.35	1.75	—		
March.....							8.20	3.80	1.40	4.70		
April							4.50	7.65	2.00	3.50		
May							1.50	3.00	3.65	2.50		
June							3.30	2.75	2.45	5.50		
July.....							2.40	5.00	.65	10.00		
August							3.50	10.00	7.40	2.40		
September ..							3.50	2.00	4.50	2.20		
October							3.50	3.50	3.80	1.90		
November ..							5.30	4.00	4.20	3.40		
December ..							6.50	4.20	4.50	4.40		
TOTALS ..							48.20	60.25	42.70	45.90		

NB. 4.50 Jan. 1879 probably Jan & Feb. together. 3. XI-11

RAINFALL AT *Pentland Hills, Harehill*

Lat. _____

Lon. _____

County of _____

Edinburgh

Rain Gauge, by _____

Observer _____

W. L. Cameron, Esq.
Ink - 4.

Diameter		11									
Height		0.6									
Altitude		1470									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.30	6.00	3.40	4.60	10.00	7.30	4.10	3.80	2.80	1.90	
February	3.30	4.00	4.20	3.10	3.60	5.70	7.50	2.90	5.10	4.40	
March	3.70	6.00	8.50	3.50	4.10	2.90	4.70	10.00	10.00	4.50	
April	5.20	1.30	4.90	2.00	1.20	3.60	2.60	2.90	4.60	3.50	
May	2.20	00	3.40	3.60	4.10	3.70	6.00	5.50	(1.80)	2.90	
June	2.20	3.50	5.10	3.00	1.40	1.10	1.80	.70	3.30	1.70	
July	3.40	4.50	5.20	2.80	7.40	1.60	3.50	3.20	6.90	5.70	
August70	7.60	3.20	4.30	1.60	3.30	1.00	3.40	3.20	7.90	
September	3.80	5.00	3.70	4.00	2.70		5.20	6.20	1.30	1.70	
October	8.00	3.50	4.10	3.80	3.20	3.20	6.70	3.00	2.90	5.90	
November	10.00	4.50	5.50	7.20	3.10	2.10	4.10	7.00	10.00	1.10	
December	7.40	4.50	10.20	3.10	8.00	2.90	10.00	3.70	2.80	3.50	
TOTALS	53.20	50.40	61.40	45.00	50.40	?	57.20	52.30	(54.70)	44.70	

*May - 1885
(Ink - 4.11)*

1885 Sept. Gauge leaking

1888 May Gauge broken

RAINFALL AT Pentland Hills Harehill

Lat. _____

Lon. _____

County of Edinburgh

Rain Gauge, by _____

Observer W. Anderson Esq

Inst. 11.

Diameter	11										
Height	0 6										
Altitude	1470										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	10.00	2.90	3.20	2.95	4.80	1.65	1.50	1.36	2.25	5.60	3.621
February	1.70	.80	5.85	5.15	11.20	1.20	1.50	3.45	2.65	2.60	3.610
March	4.00	8.20 8.82	9.00	3.50	4.10	8.50	3.80	4.10	1.35	3.00	5.047
April	1.60	12.70 1.27	3.15	1.50	1.85	2.00	2.00	2.50	2.90	4.22	2.299
May	2.50	2.45	4.25	2.25	3.00	.95	.75	2.05	2.15	4.60	2.495
June	5.70	.80	4.10	5.45	3.40	2.55	4.10	4.50	3.20	1.95	3.575
July	4.40	2.80	2.25	3.45	2.60	4.35	5.05	3.05	1.90	5.05	3.490
August	5.90	9.10	6.65	4.35	4.90	5.90	1.90	4.50	4.60	.90	4.870
September....	2.40	7.85	3.45	2.40	.90	1.23	5.90	3.00	3.73	3.60	3.416
October	4.40	4.10	7.15	3.90	3.60	4.70	5.50	1.60	4.65	5.00	4.400
November....	8.80	2.90	2.60	2.55	2.40	4.40	1.50	3.45	5.80	4.90	3.930
December	3.10	9.00	2.50	4.60	4.00	3.40	5.50	5.55	6.00	2.70	4.635
TOTALS	54.50	62.60 52.79	54.15	42.05	46.75	40.23	39.00	39.11	41.18	44.42	45.418

1891 corr by original 29.VI.10

RAINFALL AT *Pentland Hills Hardsill*

Lat.

Lon.

County of *Edinburgh*

Rain Gauge, by

Observer

W. Anderson Esq

Ek - 4.

Messrs. Leslie & Reid Lb. (09)

Diameter ..	11											
Height	0	6						1	5			
Altitude ..	1470											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.45	2.30	1.95	5.75	3.56	1.15	5.51	1.74	(5.00)	4.60	3.60	1
February ..	5.30	1.47	1.00	6.15	3.55	2.00	1.80	2.04	1.80	2.20	2.73	1
March	2.00	3.25	2.25	7.10	1.75	4.80	3.50	2.53	4.55	3.25	3.49	8
April	2.65	2.47	1.85	1.45	3.60	2.15	1.50	1.81	2.20	3.00	2.26	8
May	2.10	3.30	3.10	2.65	4.65	1.50	5.65	4.00	2.50	2.60	3.20	5
June	4.00	2.45	3.20	2.05	3.30	1.15	2.53	4.20	1.80	3.10	2.77	8
July	3.90	1.00	3.20	4.50	2.60	2.50	1.80	3.60	4.70	5.90	3.37	0
August	4.80	6.15	1.75	4.00	5.45	4.05	7.97	4.10	2.45	2.90	4.36	2
September ..	4.65	2.00	2.45	3.00	2.10	2.95	1.21	1.70	4.20	3.25	2.75	1
October	5.00	3.05	2.65	8.40	2.00	2.60	6.28	9.95	1.35	6.90	5.01	8
November ..	7.05	3.70	1.20	2.55	1.65	3.80	5.91	1.80	2.90	.92	3.14	8
December ..	8.40	4.20	3.50	2.20	4.50	2.65	1.31	4.75	1.90	4.05	3.74	6
TOTALS ..	54.30	35.34	28.10	49.80	38.71	31.30	46.97	42.22	(35.35)	42.67	40.47	6

1905 Jan'y of broken estimated

H. S.

RAINFALL at Pentland Hills, HarehillCounty of Midlothian Observer Messrs. Leslie & Reid C.E.River Basin Ex-4
Firth of Forth. R. bank trib.

Rain Gauge, by _____

Diameter ...	11										
Height	1 5		1. 7								
Altitude ...	1470		1297								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.60	2.35	1.90	1.70	3.83	2.76	7.40	1.24	2.11	3.07	289.6
February ...	4.10	4.50	2.50	2.97	3.09	3.22	3.00	.72	4.52	.66	292.5
March	1.80	2.00	3.25	4.41	3.92	1.73	2.95	1.62	1.34	2.07	250.9
April	4.25	2.90	.42	3.09	2.33	2.63	4.78	1.00	.43	4.70	265.3
May	2.30	1.80	1.65	2.27	3.02	1.63	4.55	1.70	2.95	1.08	229.5
June	1.80	4.05	5.92	3.26	2.22	1.75	4.12	3.26	1.35	3.00	307.3
July	5.00	1.05	2.83	.63	4.69	6.50	6.00	1.75	5.00	1.62	350.7
August	6.00	1.75	5.60	1.64	3.21	4.52	5.20	7.00	2.52	3.04	404.8
September ..	1.05	1.75	4.70	3.12	1.42	3.19	2.30	3.43	6.00	5.54	325.0
October ...	4.60	5.30	4.35	2.94	1.95	2.39	8.50	3.34	6.48	2.82	426.7
November ..	3.15	7.73	2.79	4.96	6.03	1.86	6.55	5.12	2.62	5.80	466.1
December ...	2.20	4.10	7.22	2.17	5.46	6.23	6.03	2.30	3.35	5.07	441.3
TOTALS ...	38.85	39.28	43.13	33.16	41.17	38.41	61.38	32.48	38.67	38.47	405.00
	?										

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

RAINFALL at Portland Hills (Bare hill).County of Middlesex.Observer Wm. Leslie & Rail, C.E.River Basin Wk - 4

Rain Gauge, by _____

Diameter ...	11											
Height	1.7											
Altitude ...	1297											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	(3.55)	6.26	2.30	2.84	3.00	3.63	4.35	3.46	7.03	.98	3.98	
February ...	2.55	.96	2.02	3.00	.79	5.53	3.62	1.98	2.38	.93	.68	
March	3.77	4.43	2.10	1.76	.85	(2.75)	2.53	3.56	1.84	.44	1.64	
April	4.00	.50	2.13	2.26	1.80	4.67	1.77	2.00	1.23	1.70	1.25	
May	4.67	2.25	2.81	3.40	3.50	5.73	3.97	2.20	1.96	1.78	.56	
June	1.58	.57	2.43	1.72	2.86	.79	5.28	4.09	5.90	2.77	2.01	
July	4.30	2.73	5.39	4.84	3.60	2.22	3.62	4.09	2.95	3.84	3.70	
August	8.32	5.80	2.60	6.32	4.25	3.04	2.93	7.03	6.51	4.47	6.30	
September...	2.20	2.45	1.91	3.59	4.25	4.93	3.17	8.77	3.68	.51	5.55	
October	1.15	4.20	2.53	3.93	4.22	2.97	3.85	5.03	4.52	4.25	4.30	
November...	2.55	1.54	2.35	3.32	1.73	1.00	4.33	3.28	4.66	5.24	5.10	
December...	2.40	5.65	3.96	3.40	4.85	2.95	1.11	2.02	2.81	5.75	1.90	
TOTALS (43.99)	37.74	32.23	40.38	35.70	(40.21)	40.53	47.51	45.47	32.66	36.97		

Jr. Blinell.

1925. March corrected for snow.

Site inspected by N. Glasspool 16.7.29.

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	Parish Church.	Distance from gauge	Direction

RAINFALL at *Portland Hills (Harslie)*

County of *Midlothian* Observer *Maximo Leslie Reid, C.E.*

River Basin *K-Esk* *Edinburgh Water Engineer (1937)*

Type of Gauge *11"* *(12 1/2")*

Annual Average *42.0* in. based on *5* years obs. un-weighted. Period of average *1891-1915* Ref. *8*
based on 14.40. (ref P.B. No 1055) *constructed 12/35.*

Diameter	11"					5		11			
Height	1' 7"					1.2					
Altitude	1296'					1297					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.90	5.10	4.25	4.40	1.20	2.70	3.50	5.05	5.35	(1.04)	
February	2.00	.36	1.60	.13	3.75	2.80	5.60	1.49	2.93	.88	
March	.80	3.15	1.31	3.06	1.65	1.60	1.50	1.65	3.15	2.90	
April	2.40	4.10	2.60	5.15	4.23	1.45	1.40	.27	1.92	2.85	
May	3.30	4.20	1.90	2.05	.72	.90	2.80	4.30	1.06	2.54	
June	5.45	1.47	2.65	3.30	2.55	2.58	1.90	5.95	2.02	.79	
July	4.30	2.65	4.50	2.35	1.27	6.00	4.90	4.16	3.14	7.32	
August	6.10	1.09	1.30	4.75	2.69	1.90	4.95	1.97	2.80	1.05	
September	1.85	3.80	2.20	3.15	4.65	3.50	3.33	3.15	2.21	3.12	
October	2.85	7.60	2.85	4.05	8.25	3.40	4.60	7.95	2.78	3.60	
November	4.15	3.00	1.45	1.90	5.00	3.75	.50	7.02	5.08	5.55	
December	2.15	7.40	.80	4.50	1.15	2.60	2.48	2.67	1.61	2.90	
TOTALS	37.25	43.92	27.41	38.78	37.01	34.18	37.46	45.63	34.25	34.54	
	M	M	M	M	M	M	M	M	M		

1936. Rise 1000 ft. high half mile S.
1940 Jan. est. from nearby stations

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			Glencorse	6 1/2 mi.	S.E.	Glencorse	6 1/2 mi.	E.

Station No. 5118

RAINFALL at Pentland Hills (Harehill)

41

County of Midlothian Observer Edinburgh Water Engineer

River Basin H - Esk

Type of Gauge

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

File No.

Diameter	11"	12"			900	600	5"				
Height	1'2"					1	1'2"				
Altitude	1297'					41	1297'				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.93	2.36 (3.60)	2.65	3.50	3.12 (3.50)	5.56	3.33	1.92			
February	3.96	.68 (2.34)	(1.30)	3.94	1.74	1.78	2.03	2.26	4.46		
March	2.21	1.45 (2.85)	.47	1.96	(2.70)	(5.00)	2.02	.71	3.29		
April	2.12	1.84 (1.81)	2.51	1.10	.82	5.38	2.19	2.50	3.88		
May	4.18	2.31	3.93	3.18	4.63	1.97	3.17	2.05	2.47	1.82	
June	0.68	1.35	2.51	3.84	2.56	2.18	2.43	5.02	1.33	1.80	
July	3.53	3.48	3.16	2.65	2.74	5.24	2.97	2.92	2.30	1.14	
August	4.05	4.09	5.14	3.22	4.33	4.13	.21	10.57	3.37	3.85	
September	1.07	4.14	2.33	5.80	5.06	5.25	2.33	3.78	2.60	7.20	
October	4.30	3.99	5.11	3.61	4.51	.88	1.83	1.32	5.64	3.20	
November	2.96	.90	1.22	7.65	.62	4.64	5.20	3.21	4.39	5.36	
December	1.85	2.33	1.39	(4.00)	2.12	3.65	3.09	3.02	6.79	1.05	
TOTALS	34.84	28.92 (35.29)	(41.48)	37.07	36.32	36.89	44.69	37.69	39.27		
	M	m	M	M	M	M	M	M	M	M	

1941 Hill 1000' high 2nd S20014
 Jan - April 1943 adjusted by HOS
 1944 Feb. part cat'd. 1946 March part cat'd.
 1947 Jan - Mar. adj for snow
 1948 up. low. To be inspected as soon as possible.

14004

Position of Station on reduced Ordnance Survey Map, } No. of Map

1 mile 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
1941			Glenrose	6 1/2 mi	SE.	Glenrose	6 1/2 mi	E.

BRITISH RAINFALL ORGANIZATION

Station No. 5118

RAINFALL at Pentland Hills (Harehill)

51

County of Midlothian Observer Edinburgh Water Engineer

River Basin 4-est

Type of Gauge Bradford

Annual Average 39.02 in, based on 41 years obs. un-weighted. Period of average 1916-50 Ref. 8

" " 39.02 " " 41 " " with 1916-58 " " 1916-50 File No. 8

Diameter ...	5"				900	600					
Height ...	1' 2"					1					
Altitude ...	1297'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.00	2.98	0.72	3.64	1.70	(2.04)	4.90	2.39	1.10	2.82	
February ...	2.05	(60)	1.40	1.70	1.66	3.40	3.20	(3.00)	.60	1.80	
March ...	3.00	1.51	.70	1.97	1.15	1.40	2.65	1.60	.90	1.42	
April ...	3.70	1.90	3.09	1.25	1.04	.81	1.20	(2.50)	2.54	1.70	
May ...	3.16	1.60	2.08	5.05	2.80	1.88	2.49	2.77	.90	.97	
June ...	2.31	3.30	2.08	3.08	.83	2.74	2.48	3.60	2.02	(2.50)	
July ...	3.42	3.10	5.50	2.67	2.50	5.20	5.19	6.50	3.40	3.05	
August ...	6.85	3.90	2.24	6.67	1.40	8.00	5.78	3.85	.67	3.90	
September ...	2.08	(3.20)	4.05	4.82	2.52	3.51	2.18	4.92	.66	1.96	
October ...	0.85	2.30	1.56	7.60	1.87	2.53	3.58	2.16	3.50	3.95	
November ...	5.60	3.18	5.60	4.79	1.24	1.25	2.10	1.40	6.10	2.75	
December ...	4.54	4.63	4.40	4.74	5.55	3.93	4.20	5.49	3.88	4.10	
TOTALS ...	40.56	(32.20)	33.42	47.98	24.26	36.19	39.95	40.18	26.27	30.92	
	M	M	M	M	M	M	M	M	M	M	

1952 Feb. exp. int. 11022. lms 27.7.60 o/c NE-S-W. Move to good side in old part
 1958 est. agreed. bank where good shelter all round except N - 25° SE of
 present site. Delivery pipe missing
 1959 June est. by M.O. Edin. np. on map.
 1960

24004

01004

20104

40004

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NT(36)183.615

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
	✓	✓	✓	✓ mp 48	