

RAINFALL AT *Portland Hills, Crosswood*

Lat. _____

Lon. _____

County of _____

Edinburgh

Rain Gauge, by _____

 Observer *T. H. Cameron, Esq.*
Mount 12-5.

Diameter		11									
Height		0.6									
Altitude	950										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.20	1.40	3.40	4.10	6.20	3.60	4.00	1.60	2.70	1.80	
February	4.00	3.60	2.10	3.00	3.80	2.80	2.50	2.40	2.30		
March	1.20	5.80	3.80	.90	2.10	2.20	2.30	1.90	3.60	2.70	
April	5.30	1.10	3.70	1.70	1.10	2.90	2.10	2.30	2.70	3.70	
May	2.00	3.10	2.90	2.30	4.90	3.80	4.30	1.70	2.00	2.70	
June	2.50	3.30	4.60	2.80	1.20	.60	2.70	1.10	2.20	1.20	
July	4.00	4.90	3.40	5.50	4.80	1.70	3.20	3.30	5.70	4.40	
August .....	.70	5.50	3.40	2.40	2.00	2.00	2.20	2.00	3.00	6.60	
September....	5.60	4.00	3.70	3.00	3.20	5.00	4.40	5.70	1.60	1.60	
October	3.60	3.10	3.80	3.80	3.30	3.80		2.40	2.40	5.20	
November....	5.70	4.90	5.20	4.90	2.40	2.10		5.70	7.60	1.20	
December	4.10	3.50	5.80	3.00	5.60	2.20	3.50	3.00	2.50	3.10	
TOTALS	39.90	40.60	47.30	36.50	39.80	33.70		33.20	38.40	36.50	

1886 Gauge out of order in Oct. & Nov.

RAINFALL AT *Pentland Hills Crosewood*

Lat. _____

Lon. _____

County of *Edinburgh*

Rain Gauge, by _____

Observer *W Anderson Esq*

Almond + C - 5.

Diameter	11										
Height	0 6										
Altitude	950										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.50	1.70	2.20	1.20	3.30	2.30	1.90	1.10	2.89	5.76	
February ....	.80	.70	^{5.00} leaking 4.50	4.50	8.90	.07	1.60	2.80	3.43	2.04	
March	3.50	4.60	1.60	1.20	3.20	4.40	4.40	4.40	2.56	3.42	
April	1.40	.40	1.60	1.30	1.80	1.50	2.00	2.10	2.38	3.97	
May	2.50	1.96	3.90	1.70	3.80	1.50	1.50	2.00	2.23	3.72	
June	4.90	1.56	4.20	4.50	2.90	2.10	3.40	4.60	3.30	1.72	
July	4.60	2.10	2.10	2.20	3.10	4.50	4.80	2.80	1.94	4.16	
August	4.80	8.01	5.80	4.50	5.00	5.60	2.10	3.40	4.79	.86	
September....	3.50	10.00	3.60	2.60	.60	1.30	5.00	2.70	4.72	4.89	
October	4.30	3.20	4.80	4.40	2.70	4.40	5.10	2.00	5.79	3.86	
November....	7.50	3.02	2.80	3.20	3.50	4.00	1.60	3.80	5.96	5.30	
December	2.30	7.90	2.40	4.00	3.50	4.40	5.40	5.50	6.20	2.62	
TOTALS	45.60	45.15	60.00	35.30	42.30	36.07	38.80	37.20	46.19	42.32	40.993

91 continued with original 29.00.00

Feb 1892 estimated

RAINFALL AT *Pentlands Hills Crosswood*

Lat.

Lon.

County of *Edinburgh*

Rain Gauge, by

Observer *W. Anderson Esq.*

Almond &c -5.

Messrs Leslie & Reid &c. (G)

Diameter ..	11						5				
Height	6						10				
Altitude ..	950										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.54	2.36	2.43	5.44	3.75	1.77	4.93	2.70	4.05	4.32	3.629
February ..	5.00	1.30	1.21	6.32	3.20	2.38	2.11	2.51	2.18	2.51	2.872
March ....	.80	2.61	2.60	7.63	2.10	4.90	3.35	3.19	4.64	3.96	3.578
April	2.82	2.60	1.90	1.31	4.31	2.57	1.50	1.86	1.94	2.80	2.361
May	2.14	1.94	2.28	1.91	4.38	1.44	5.71	3.57	2.52	2.65	2.854
June	3.39	2.50	1.81	1.81	2.62	1.13	1.85	3.88	1.79	2.74	2.350
July	4.03	.98	3.95	3.76	3.11	2.96	2.95	3.17	2.62	4.87	3.240
August	4.08	5.27	2.02	5.99	4.25	3.64	7.18	5.00	3.48	2.91	4.382
September ..	3.95	1.67	2.46	2.70	2.27	3.05	1.29	1.40	5.39	2.48	2.666
October	5.49	3.23	2.17	6.85	1.43	2.54	8.31	9.29	1.09	6.28	4.668
November ..	5.74	3.79	1.62	2.61	2.28	3.58	5.29	2.10	2.57	1.76	3.134
December ..	7.21	3.91	3.73	2.61	4.14	3.08	2.43	5.11	1.58	5.39	3.917
TOTALS ..	49.19	32.16	28.18	48.94	37.84	33.04	46.90	43.76	33.83	42.67	39.651

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RAINFALL at Pentland Hills, Crosswood Daily.County of Midlothian Almond & Co. 5 Observer Fressen, Leslie & Reid C.E.River Basin Leith of Forth R. banktrib. 3.

Rain Gauge, by _____

Diameter ...	5										
Height	10										
Altitude ...	950										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.29	2.24	2.28	2.75	3.14	2.67	5.69	2.21	2.92	3.68	3.177
February ...	4.45	4.90	2.54	2.09	3.59	3.66	3.86	.80	4.97	1.26	3.212
March	2.25	2.31	3.83	4.52	4.30	2.36	2.15	1.92	1.25	2.21	2.710
April	3.43	3.36	.91	3.00	2.12	2.56	4.36	2.99	.80	3.66	2.719
May	2.10	1.80	1.79	2.44	2.64	1.21	5.42	1.44	2.26	1.24	2.234
June	1.09	3.60	4.96	2.64	1.43	1.81	3.09	2.53	.99	2.62	2.476
July	4.60	1.55	2.50	1.27	2.63	5.84	4.49	1.34	3.08	1.46	2.876
August	5.46	1.69	3.92	1.15	2.69	3.71	4.49	8.31	2.47	3.17	3.706
September ..	1.14	2.16	4.08	2.38	1.50	1.96	2.70	3.26	4.83	4.33	2.834
October ...	2.85	4.01	4.51	2.60	1.83	2.41	6.99	4.82	5.43	2.80	3.825
November ..	3.17	7.18	3.25	4.27	5.25	2.11	4.53	5.28	2.70	5.34	4.308
December ...	3.40	4.62	6.42	3.50	4.80	5.54	4.18	2.39	3.94	5.82	4.461
TOTALS ...	38.23	39.42	40.99	32.61	35.92	35.84	51.85	37.29	35.64	37.59	38.538

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D

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

RAINFALL at Pentland Hills, Crosswood monthly 9.County of Midlothian Observer Messrs Leslie & Reid CE.River Basin Almond & Co. - 5

Rain Gauge, by _____

Diameter ...			8								
Height			1 0								
Altitude ...			950								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			2.10	2.60	3.00	2.67	5.59	2.19	2.92	3.50	
February ...			2.50	2.10	3.60	3.66	3.50	.80	4.97	1.26	
March			3.80	4.30	4.20	2.36	2.15	1.92	1.25	2.21	
April			1.00	3.00	2.20	2.56	4.36	2.99	.80	3.66	
May			1.80	2.40	2.70	1.21	5.42	1.44	2.30	1.30	
June			4.90	2.70	1.50	1.81	3.00	2.33	1.00	2.50	
July			2.60	1.30	2.60	5.84	4.40	1.34	3.08	1.46	
August			3.80	1.20	2.60	3.71	4.40	8.31	2.27	3.17	
September ..			4.10	2.40	1.50	1.96	2.70	3.26	4.83	4.10	
October ...			4.40	2.60	1.80	2.41	6.80	4.82	5.43	3.00	
November ..			3.20	4.20	5.10	2.13	4.53	5.30	2.90	5.10	
December...			6.20	3.30	4.70	5.54	4.18	2.39	3.50	5.70	
TOTALS ...			40.40	32.10	35.50	35.86	51.03	37.09	35.25	36.96	

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

RAINFALL at Portland Hills (Cromwood) M.County of MiddlethianObserver Miss Leslie Reid C.E.River Basin Almond - 5

Rain Gauge, by _____

North

Diameter ...	8										
Height	1.0										
Altitude ...	950										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean
January ...	4.70	7.20	3.50	3.20	3.00	4.00	4.90	4.00	3.20	1.20	5.50
February ...	4.20	1.00	2.70	3.70	1.20	4.10	3.70	2.10	3.40	1.80	.60
March	3.90	4.60	2.60	1.50	.80	2.60	2.80	3.60	2.20	.70	2.40
April	3.00	1.30	2.60	3.40	1.90	4.80	2.50	2.82	1.30	1.70	1.30
May	4.80	2.30	3.30	3.00	4.50	4.80	3.80	2.00	1.80	2.40	1.70
June	1.70	.60	2.20	1.50	2.60	.80	4.50	3.80	4.20	2.40	2.60
July	4.70	2.70	4.80	4.10	4.30	2.00	3.10	2.80	3.20	3.99	3.74
August	7.20	6.00	2.30	6.30	4.30	3.50	3.10	6.10	5.20	5.90	5.70
September...	2.70	3.00	2.40	4.70	4.50	4.60	4.20	9.50	4.10	1.10	3.50
October	1.20	3.80	2.30	5.00	4.10	2.80	5.10	5.00	5.70	5.00	5.00
November...	3.50	1.70	2.20	4.30	2.20	1.50	5.10	4.30	4.00	5.40	5.20
December...	3.50	6.70	3.70	3.20	4.40	4.70	1.60	1.70	3.60	7.00	2.80
TOTALS...	44.60	40.90	34.60	43.90	37.80	40.20	44.40	47.72	46.90	38.09	40.04
	M.			M							

1923 reported check

1924 N.P. check 5.

1925 N.P. Monthly G.

1926 " " " "

1927 " " " "

1928 " " " "

1929 " " " "

1930 " " " "

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 Portland Hills (Cromwood).County of Middlesex Observers W. J. L. & R. E. B. C.River Basin 5 of London & C.

Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	950											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.60	7.30	3.31	3.21	2.96	3.98	5.02	4.03	8.26	1.18	5.20	
February ...	4.43	.97	2.85	3.86	1.05	4.14	3.71	2.08	3.34	1.30	.56	
March	2.95	4.74	2.62	1.45	.68	2.63	2.83	3.64	2.28	.69	2.37	
April	2.97	1.27	2.60	3.54	1.92	4.79	2.45	2.85	1.26	1.69	1.31	
May	4.35	2.33	3.30	3.09	1.65	4.88	3.82	1.99	1.80	2.42	1.74	
June	1.63	.50	2.10	1.52	2.67	.74	4.53	3.75	4.22	2.39	2.62	
July	5.04	2.74	4.70	3.97	4.27	1.96	3.09	2.78	3.13	3.97	3.76	
August	7.24	6.03	2.30	6.31	4.30	3.55	3.15	6.14	5.22	5.96	5.76	
September...	2.72	2.98	2.39	4.63	4.01	4.64	4.24	9.58	4.10	1.06	3.58	
October	1.10	4.09	2.32	5.05	4.07	2.80	5.08	5.00	5.71	4.96	5.00	
November...	3.85	1.61	2.18	4.01	2.25	1.37	5.16	4.35	4.04	5.56	5.28	
December...	3.53	6.69	3.58	3.30	4.69	4.67	1.54	1.71	3.66	7.18	2.79	
TOTALS...	45.38	41.25	34.25	43.94	37.52	40.15	44.62	47.90	47.02	38.86	40.07	
	D	D	D	D	D	D	D	D	D	D	D	

Site inspected by Dr. S. S. S. 17.9.29.

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 Pentland Hills (Broomwood)

County of Midlothian

Observer Messrs Leslie & Reid, G.E.

River Basin 5- Almond &c.

Edinburgh Water Engineer (1937)

Type of Gauge N.O.

Annual Average 39.5 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref. Summary

computed x1/36

Diameter	5"										
Height	1' 0"					0' 10"	0' 10"				
Altitude	950'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.78	6.68	4.64	4.61	1.80	3.96	3.76	5.46	4.69	1.46	
February	3.40	4.1	3.05	.40	4.15	3.61	4.09	1.65	3.83	1.23	
March	1.21	2.98	1.82	3.85	1.54	2.02	.97	2.38	4.30	3.46	
April	2.54	3.63	2.75	4.14	3.95	1.70	1.50	.50	2.08	2.40	
May	3.73	3.83	2.21	2.25	.90	.71	2.14	3.91	.89	2.44	
June	6.08	1.60	2.18	2.65	2.31	2.08	2.57	5.07	2.06	.71	
July	5.30	3.08	4.96	2.53	1.62	5.16	4.55	4.46	4.65	5.33	
August	4.95	1.21	2.33	3.86	2.25	2.64	4.60	2.68	1.12	1.14	
September	1.32	4.84	1.87	3.38	4.08	3.43	3.13	3.57	1.79	3.74	
October	3.53	7.13	3.34	5.85	8.15	2.96	4.01	7.87	2.49	2.35	
November	5.46	3.23	1.94	2.50	5.24	3.96	.51	6.58	5.70	4.57	
December	3.35	7.87	1.28	4.56	1.62	3.62	2.42	3.65	1.68	2.61	
TOTALS	43.65	46.49	32.37	40.58	38.41	35.85	34.25	47.78	35.28	32.44	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1936. Dyke 42 ft. high 14 ft. S.
Wicket 3 " " 3 " NE.
Trees 20 " " 40 " N.

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
1936			Harburn	37 mi.	N.	West Calder	57 mi. N.W.

RAINFALL at Pentland Hills (Crosswood) Station No. 5125 41
 County of Midlothian Observer Edinburgh Water Engineer
 River Basin S- Almond & C.
 Type of Gauge 01

Annual Average 29.5 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref Survey.

File No.

Diameter	5"				898	652					
Height	0' 10"					1					
Altitude	950'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.43	3.34	3.05	3.52	2.81	3.22	3.01	7.15	3.76	2.20	
February	4.65	72	2.90	1.06	4.96	2.52	(1.45)	3.62	3.49	4.36	
March	2.57	1.45	2.00	.43	2.58	2.39	5.19	2.59	1.45	3.62	
April	1.43	1.70	1.26	1.33	1.58	.87	5.26	3.15	3.17	4.46	
May	5.25	2.04	3.63	2.64	4.16	1.40	3.05	1.81	1.91	1.83	
June	0.81	.96	2.52	2.34	2.97	2.21	2.68	6.26	1.21	2.60	
July	2.72	3.21	1.89	2.07	3.27	5.22	3.35	2.87	1.71	5.85	
August	4.07	3.23	4.07	3.66	3.67	3.39	.05	7.88	3.77	3.28	
September	1.02	3.92	2.63	3.64	6.65	5.70	2.81	4.11	3.02	8.52	
October	2.49	4.49	4.80	3.03	4.18	.77	1.91	2.97	4.51	3.46	
November	1.38	.80	1.40	7.13	.40	4.64	6.44	3.25	4.40	4.24	
December	1.50	3.39	1.74	4.08	2.94	3.39	3.12	4.46	7.80	2.14	
TOTALS	29.32 n.p.	29.25 n.p.	31.89 n.p.	36.19 n.p.	40.17 n.p.	35.72 n.p.	38.32 3	50.12 D	40.20 D	44.16 D	

1941 n.p. low.
 1942 n.p. low.
 1943 n.p. low.
 1944 n.p. low.
 1945 n.p. low.
 1946 n.p. low.
 1947 Feb adj for snow

1.11.45 Inspection by Mr. Carter: Site, near NW corner of reservoir 50' from water's edge, is a very open one. Stone wall 4' high 4 1/2" S.
 Gauge sound measure reads low through mod. of scale.
 New measure ordered through M.O. 4 - 3 readings confirmed low after new measure is brought into use - recommended by wall.

20004

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

Station No. 5125

RAINFALL at Pentland Hills (Grosvenor) 51County of MidlothianObserver Edinburgh Water EngineerRiver Basin 5 - Almond & CType of Gauge M.O.Annual Average 39.5 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref. Survey" 40.62 " " 40 " " within 1916-55 " " 1916-50 " S.

253165

File No.

Diameter ...	5"				898	652					
Height ...	0' 10"					1					
Altitude ...	950'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.20	2.76	1.44	3.57	2.37	1.93	4.77	2.81	2.90	3.53	
February ...	2.85	.98	1.55	2.42	1.70	1.91	2.70	2.11	1.23	2.90	
March ...	3.69	1.82	.69	2.09	1.59	2.52	3.67	1.54	1.65	1.94	
April ...	3.97	2.07	3.07	1.86	1.26	.85	2.14	1.58	2.48	2.18	
May ...	2.60	1.49	2.72	5.47	3.14	1.79	2.38	2.97	2.03	1.50	
June ...	1.80	3.06	2.00	3.35	1.95	3.38	2.56	2.51	2.34	1.34	
July ...	3.31	2.84	5.42	3.30	2.32	5.40	4.21	5.03	4.04	3.10	
August ...	5.17	3.70	2.62	5.69	1.98	5.77	5.60	4.48	.82	3.30	
September ...	2.48	3.25	3.39	5.34	3.41	4.48	2.15	4.68	.84	1.77	
October ...	0.96	2.60	1.88	7.79	2.87	2.96	3.67	2.38	3.43	3.82	
November ...	5.72	3.14	6.62	5.77	1.71	1.51	1.98	1.46	7.05	4.40	
December ...	5.05	4.06	4.05	5.68	6.00	5.16	5.01	5.84	4.58	4.58	
TOTALS ...	41.80	31.77	35.45	52.33	30.30	37.65	40.84	27.39	31.39	34.36	
	D	D	D	D	D	D	D	D	D	D	

1958-1960. Ins. 27.7.60 of NE-SW - gentle slope to res. Allow grass to grow high on this side. Daily g. fair - monthly poor

105.8 80.4 89.7 132.5 76.71 95.3 103.4

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NT(30)956.575

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
	✓	✓	✓	✓	✓
	- 6.2 D 14-19	✓	✓	✓	✓