

RAINFALL at Pentland Hills, Martyns Cross.

County of Midlothian

Observer Messrs Leslie & Reid C.E.

River Basin Esk - 4.

Dr. Angus

Rain Gauge, by Basella

Diameter ...			5								
Height			1 0								
Altitude ...			750								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS M.M.E. 1916-19
January ...	1.87	2.30	2.88	2.08	5.61	2.60	2.58	3.82	14.61		
February ...	2.49	2.36	2.59	2.56	4.53	.76	4.37	1.89	11.55		
March	3.16	4.97	3.78	1.50	4.35	1.86	.93	2.50	9.64		
April44	2.63	1.90	2.07	4.51	2.26	.89	1.43	12.09		
May	1.97	1.92	2.68	1.55	4.32	1.75	2.47	.89	9.41		
June.....	5.59	2.14	1.63	1.48	3.83	2.27	.74	2.11	8.95		
July	2.49	.65	3.22	4.63	5.24	2.33	3.72	1.17	12.46		
August	4.66	1.91	2.30	4.05	5.11	5.46	1.74	1.99	14.30		
September ..	3.78	2.39	.88	2.37	2.11	2.31	5.81	4.05	14.28		
October ...	3.94	2.25	1.54	2.21	6.55	4.22	4.81	3.22	18.80		
November..	2.83	3.11	4.62	1.69	4.73	3.56	2.48	6.26	17.02		
December...	6.02	2.51	4.69	5.44	3.82	2.56	2.87	5.14	14.39		
TOTALS ...			39.24	29.14	32.71	31.63	54.71	31.93	33.41	37.45	157.50

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Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912			Glencorse	1½ mile	SE			

RAINFALL at Portland Hills (Martyrs' Cross).

County of Middlesex Observer Mrs. Leslie Reid G.E.

River Basin E.R. - 4

Rain Gauge, by Gasella.

Diameter ...	5										1930. MEANS.	
Height	1.0										S.V.M.S.	
Altitude ...	750											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January	4.50	6.25	2.61	2.58	3.25	4.52	4.04	3.19	6.69	1.49	4.85	43.67
February	4.16	1.21	2.64	3.40	.90	5.68	3.07	1.43	3.16	.95	.60	27.20
March	2.12	4.11	2.16	1.48	.99	2.65	2.32	2.91	2.01	.37	2.70	24.82
April	2.51	.83	1.75	2.52	1.73	4.74	1.78	1.84	1.35	2.13	1.23	22.40
May	3.63	2.13	2.06	3.39	5.06	5.17	3.30	1.79	1.59	1.78	1.53	31.43
June	1.96	.47	1.73	1.83	2.88	.67	3.86	3.62	5.59	2.79	2.04	26.86
July	3.30	3.19	4.51	4.22	4.30	1.78	3.23	3.06	2.78	3.75	5.81	39.43
August	7.09	5.42	2.08	6.34	3.62	3.14	2.32	7.16	5.03	5.14	5.69	52.08
September	1.86	2.64	2.24	3.57	3.67	4.162	3.96	9.80	3.07	1.46	5.58	41.47
October	1.25	4.94	2.13	3.65	3.67	2.30	4.30	4.13	3.86	8.70	4.00	37.93
November	3.34	1.42	2.59	4.27	1.59	.76	3.94	3.17	3.67	4.89	5.46	35.10
December	2.68	5.16	3.70	3.39	3.49	2.92	1.15	2.14	3.13	5.60	1.91	35.07
TOTALS	38.80	37.76	30.20	39.66	35.15	38.95	37.27	44.24	41.98	82.85	40.60	417.46

Site inspected by Mr. Clarence 16.7.27.

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	Parish Church.	Distance from gauge

RAINFALL at Pentland Hills (Martyrs Cross)

County of Midlothian

Observer Messrs Leslie & Reid, G.E.

River Basin. N - E.

Edinburgh Water Engineer (1937)

Type of Gauge Standard

Annual Average 35.5 in. based on 21 years obs. yr-weighted. Period of average 1881-1915

Ref Survey

Completed x/1/36

Diameter	6"										S.V.H.S Means
Height	1' 0"										
Altitude	760'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	2.05	4.85	2.71	4.33	1.50	3.41	4.09	4.73	5.65	1.24	34.96
February	2.39	.37	2.31	.12	3.64	3.36	4.87	1.63	2.81	1.45	22.95
March	1.15	3.35	1.28	3.37	1.48	2.65	2.58	1.23	4.11	3.90	25.10
April	2.48	3.70	1.79	4.36	4.24	1.76	1.48	.32	2.04	2.63	24.80
May	3.04	3.55	2.03	2.17	1.00	1.04	3.26	4.09	1.10	1.86	23.14
June	5.06	1.36	2.36	3.09	2.70	1.69	1.47	5.72	1.88	.96	26.29
July	3.46	2.64	4.60	2.71	1.02	5.16	5.03	3.69	2.84	6.95	38.10
August	3.99	.62	1.14	3.58	2.96	1.83	3.69	2.21	1.75	.99	22.76
September	1.91	3.64	2.84	2.46	4.27	3.85	2.93	3.45	1.87	3.24	30.46
October	2.57	6.76	2.52	4.32	8.06	3.68	4.55	7.34	3.03	3.14	45.97
November	4.44	2.97	1.64	2.68	3.20	3.71	.41	5.76	5.71	5.26	38.07
December	1.44	6.52	.92	3.68	1.64	2.94	3.57	2.47	1.53	3.42	28.43
TOTALS	34.58	40.33	26.14	36.87	37.71	25.58	37.93	42.63	34.22	35.04	36.03

1936. Shrubbs + Reindeer 5 ft. high. Shrubbs 7 ft. Reindeer 5 ft. S.W.

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	Direction
1936			Glencairn	1 3/4 mi.	E.	Glencairn	2 mi.	N.

Station No.

5119

RAINFALL at Pentland Hills (Martyn's Cross)

41

County of Midlothian

Observer Edinburgh Water Engineer

River Basin 4 - E&K

Type of Gauge Standard

Annual Average 35.5 in. based on 21 years obs. un-weighted. Period of average 1881 - 1915 Ref. Survey

File No.

Diameter	5'			900	664					
Height	1' 0"				1					
Altitude	750'				41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	2.30	3.94	3.48	2.96	3.34	3.18	3.32	6.33	3.40	2.09
February	4.30	1.27	2.77	2.01	4.13	1.70	1.77	3.31	2.23	3.76
March	3.53	1.62	2.16	.56	2.09	2.99	4.55	1.84	1.04	2.83
April	2.40	1.62	1.51	2.68	1.79	.96	4.73	2.33	2.19	3.00
May	4.09	1.93	3.80	3.28	4.45	1.97	3.00	2.25	2.61	2.32
June	0.98	1.46	2.16	3.23	2.12	2.14	2.87	4.93	1.18	1.63
July	3.55	3.32	3.63	2.73	3.31	4.35	3.31	2.40	2.72	3.32
August	4.02	3.19	4.91	3.11	4.08	4.87	.26	10.96	2.48	3.69
September	.85	4.39	2.11	6.38	4.30	4.49	2.01	3.41	1.90	6.03
October	4.23	3.96	4.76	3.07	4.34	.85	1.07	1.85	5.08	3.22
November	2.56	.99	1.51	7.37	.55	4.80	4.69	3.14	3.80	4.43
December	1.72	2.28	1.55	3.40	2.18	3.28	2.97	3.37	6.55	2.52
TOTALS	34.53	29.97	34.35	40.78	36.68	35.58	34.85	46.17	35.68	38.84
	D	D	D	D	D	D	D	D	D	D

Position of Station on reduced Ordnance Survey Map, | No. of Map Reference No.

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

BRITISH RAINFALL ORGANIZATION

Station No. 5119

51

RAINFALL at Pentland Hills (Martyrs Cross)

County of Midlothian

Observer Edinburgh Water Engineer

River Basin 4 - Esk

Type of Gauge Standard

Annual Average 35.5 in. based on 21 years obs. un-weighted. Period of average 1881-1915
 37.24 - - 35 " - 1916-1950 Ref. Survey.
 File No. P

Diameter ...	5"					900	664				
Height ...	1' 0"							1			
Altitude ...	750'							51 ✓			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.84	3.32	0.73	3.83	2.27	1.86	3.65	1.28	1.52	3.49	
February	2.67	.67	1.21	1.88	2.06	2.13	2.66	2.38	.90	3.03	
March	3.40	1.86	.74	2.22	1.92	1.43	1.84	2.18	.91	1.67	
April	3.30	1.63	2.76	1.38	.91	.84	.97	2.32	2.40	1.32	
May	3.16	1.57	1.96	4.55	2.50	1.37	1.53	2.62	.76	1.26	
June	2.07	2.72	1.92	2.70	.99	2.59	1.62	3.65	1.94	1.41	
July	3.55	2.20	4.20	2.18	1.78	4.58	5.16	7.45	3.40	2.96	
August	5.48	3.67	1.90	5.80	1.34	7.36	4.60	3.22	.59	4.19	
September	1.51	2.60	2.76	3.73	2.10	3.95	1.75	3.42	.66	2.07	
October	0.84	1.76	1.72	6.47	1.73	1.93	2.28	1.70	3.04	3.45	
November	4.95	2.65	4.26	3.46	.85	1.03	1.49	1.46	6.38	4.01	
December	3.38	3.57	3.58	3.90	5.13	2.94	2.78	5.52	3.77	4.32	
TOTALS ...	38.08	28.22	27.74	41.80	23.58	32.01	30.93	37.20	26.27	33.18	
	D	D	D	D	D	D	D	D	d.	D	

In S 27.760. Site in observer's garden not ideal but best available. Ground falls sharply to N. One ENG-S2. 0/5 to N by lime tree - to be cut down. No bottom to outer can - leak where funnel joins walls of g. Flat-bottomed measure;

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference N.T.(X) 229623

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d	C 1912	1910-19	1920-30	1931-40	1941-50	1951-60
		✓ - 13	✓ lat - 20	✓	✓	✓