

RAINFALL at Pentland Hills, Martins Cross.County of MidlothianObserver Messrs Leslie & Reid CE.Dr. AngusRiver Basin Esk - 4.Rain Gauge, by Casella

Diameter ...			5								
Height			1 0								
Altitude ...			750								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	S.M.S. Mean: 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	4.43	12.09
May			1.97	1.92	2.68	1.55	4.32	1.75	2.47	.87	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 D	54.71	31.93 D	33.41 D	37.45 D	157.50

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D

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Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912			Glencorse	1 1/2 mile	SE			

RAINFALL at Portland Hills (Martyn's Cross).County of Middlesex Observer Wm. Lohr & Reid G.E.River Basin GR - 4Rain Gauge, by Casella.

Diameter ...	5											
Height	1.0											
Altitude ...	750											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SVMS
January ...	4.50	6.25	2.61	2.58	3.25	4.52	4.04	3.19	6.69	1.49	4.55	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	3.12	4.11	2.16	1.48	.99	2.65	2.32	2.91	2.01	.37	2.70	24.82
April	2.51	.82	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	1.36	.47	1.73	1.85	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	5.31	39.43
August	7.09	5.42	2.08	5.34	2.62	3.14	2.32	7.16	5.08	5.14	5.69	52.08
September...	1.86	2.64	2.24	3.57	3.67	4.62	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	3.70	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	5.40	1.91	35.07
TOTALS...	38.80	37.76	30.20	39.66	35.15	38.95	37.27	44.24	41.98	52.85	40.60	417.46

Site inspected by A. Elanpole 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 Pentland Hills (Martyno Cross)County of FifeObserver Messrs Leslie & Reid, G.E.River Basin H-Est.Edinburgh Water Engineer (1937)Type of Gauge SnowdonAnnual Average 35.5 in. based on 21 years obs. yr-weighted. Period of average 1881-1915 Ref. January
computed x1/36

Diameter	5"											
Height	1' 0"											
Altitude	750'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SVHS Mean	
January	2.05	4.85	2.71	4.33	1.50	3.91	4.09	4.73	5.55	1.24	34.96	
February	2.39	.37	2.31	.12	3.64	3.26	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	5.20	3.71	.41	5.76	5.71	5.26	38.07	
December	1.74	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	35.58	37.93	42.63	34.22	35.04	361.63	

1936. Shrubs + Recorder 5 ft. high, Shrubs 7 ft. Recorder 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1936			Glenrose	1 3/4 mi.	E.	Glenrose	2 mi.	N.

Station No.

5119

RAINFALL at Pentland Hills (Marty's Cross)

41

County of MidlothianObserver Edinburgh Water EngineerRiver Basin 4 - EskType of Gauge SnowdonAnnual 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	Means
January	2.30	3.94	3.48	2.96	3.34	3.18	3.32	6.33	3.40	2.09	34.34
February	4.30	1.27	2.77	2.01	4.13	1.70	1.77	3.31	2.23	3.76	27.25
March	3.53	1.62	2.16	.56	2.09	2.99	4.55	1.84	1.04	2.83	23.26
April	2.40	1.62	1.51	2.68	1.79	.96	4.73	2.33	2.19	3.00	23.21
May	4.09	1.93	3.80	3.28	4.45	1.97	3.00	2.25	2.61	2.32	29.70
June	0.98	1.46	2.16	3.23	2.12	2.14	2.87	4.93	1.18	1.63	22.70
July	3.55	3.32	3.63	2.73	3.31	4.35	3.31	2.40	2.72	3.32	32.64
August	4.02	3.19	4.91	3.11	4.08	4.87	.26	10.96	2.98	3.69	42.07
September	.85	4.39	2.11	6.38	4.30	4.49	2.01	3.41	1.90	6.03	35.87
October	4.23	3.96	4.76	3.07	4.34	.85	1.37	1.85	5.08	3.22	32.73
November	2.56	.99	1.51	7.37	.55	4.80	4.69	3.14	3.80	4.43	33.84
December	1.72	2.28	1.55	3.40	2.18	3.28	2.97	3.37	6.55	2.52	29.82
TOTALS	34.53 D	29.97 D	34.35 D	40.78 D	36.68 D	35.58 D	34.85 D	46.17 D	35.68 D	38.84 D	367.43

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. 5119

RAINFALL at Pentland Hills (Marty's Cross) 51

County of Midlothian Observer Edinburgh Water Engineer

River Basin 4 - Esk

Type of Gauge Snoton

Annual Average 35.5 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. Sney. 1916-1950 P

File No.

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	3.53	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	5.76	7.05	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 ...	3.31	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	P	D	D	D	

Ins 27.760. Site in driveway garden not ideal but best available. Ground falls sharply to N. Old ENG-SE - O/S to N by lilac 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 MTLK229623

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-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1912	✓	✓	✓	9m
	✓ -13	✓ lat -20	✓	✓	