

RAINFALL at Pentland Hills, MortonCounty of MidlothianObserver Messrs. Leslie & Reid CE.River Basin Almond & L-5Rain Gauge, by Casella

Diameter ...			5									
Height .....			1 0									
Altitude ...			749									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	S/M.S. 1915-19	
January ...			2.22	2.45	2.73	2.12	4.66	2.19	2.81	3.43	13.09	
February ...			2.17	2.25	3.07	4.03	6.16	1.09	4.48	1.72	13.45	
March .....			2.76	4.94	4.26	2.21	6.19	2.08	1.06	2.46	11.79	
April .....			1.14	3.11	1.81	2.28	4.20	3.24	.96	3.30	11.70	
May .....			1.24	2.01	2.44	1.74	5.22	1.58	2.90	.88	10.58	
June .....			5.20	2.54	1.27	2.03	3.17	2.64	.95	2.41	9.17	
July .....			2.61	1.06	2.90	4.83	4.30	2.34	3.22	1.31	11.17	
August .....			3.71	1.27	2.20	2.98	5.15	6.68	2.35	2.70	16.88	
September ..			2.04	2.29	1.14	2.36	1.83	2.39	5.26	3.82	13.30	
October ...			5.70	2.68	1.76	1.88	6.07	4.51	5.42	2.66	18.66	
November ..			3.05	3.45	4.64	1.83	4.61	4.58	2.48	5.58	17.25	
December...			5.66	3.04	5.38	5.98	4.84	3.09	3.45	6.01	16.89	
TOTALS ...			37.50	31.09	33.60	34.27	55.90	36.41	35.34	36.28	163.93	

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

RAINFALL at Pentland Hills. (Gorton)County of Middlesex Observer Miss Lillie E. Reid, G.S.River Basin 5 Almond &c.Rain Gauge, by Castella

Diameter ...	5											
Height .....	1.0											
Altitude ...	749											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN.	SVMS
January ...	5.15	7.12	3.38	3.12	3.09	3.44	4.09	3.70	7.03	1.10	5.22	46.44
February ...	4.40	.92	2.68	3.28	.87	4.24	3.63	1.59	3.68	1.12	.68	27.09
March .....	3.85	4.31	2.65	1.71	.94	3.22	2.80	3.05	2.28	.49	1.68	26.98
April .....	3.27	1.22	2.58	3.77	1.91	4.99	2.14	2.44	1.32	1.81	.96	26.41
May .....	3.98	2.01	2.45	2.51	4.62	5.15	3.47	1.91	1.81	2.20	1.77	31.88
June .....	1.66	.43	2.29	1.48	2.70	.41	4.62	3.75	4.51	2.87	2.28	26.50
July .....	4.02	2.88	5.01	3.24	4.09	2.20	3.08	3.65	2.59	3.21	4.36	38.33
August .....	7.78	5.12	2.12	5.14	4.19	3.19	2.39	6.62	5.30	5.05	5.42	52.32
September...	1.89	2.45	2.23	3.63	4.08	4.37	3.93	9.68	3.38	.70	4.09	40.43
October .....	1.02	4.44	2.24	4.33	3.65	2.88	4.57	4.00	5.01	4.81	4.65	41.10
November...	2.81	1.51	2.00	4.14	1.82	1.18	5.14	2.91	3.99	5.32	4.70	35.52
December...	3.19	6.25	4.18	2.99	5.34	3.77	1.19	2.28	3.77	6.08	2.28	41.32
TOTALS...	43.02	38.66	33.81	39.34	37.30	39.04	44.05	45.58	44.67	33.76	38.09	434.32
	e	2	D	P	F	D	D	D	D	D	D	

Site inspected by Lt. Glasperke 17.9.29.

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 Pentlands Hills (Morton)

County of Midlothian Observer Messrs. Leslie & Reid, G.E.

River Basin 5- Almond &c Edinburgh Water Engineer (1937)

Type of Gauge.....

Annual Average 37.4 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. Summary  
Computer xi/36.

Diameter .....	5"											
Height .....	1' 0"											
Altitude .....	749'											
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1945	Means
January .....	2.42	5.82	4.03	4.17	1.70	4.33	3.76	4.73	5.51	1.60	38.07	
February .....	2.67	3.4	2.61	2.0	3.20	3.76	4.92	1.14	3.24	1.56	23.64	
March .....	1.42	2.40	1.53	3.75	1.45	2.37	2.01	2.13	4.56	3.46	25.08	
April .....	2.30	2.52	2.22	5.21	2.38	1.28	1.32	2.1	1.74	2.45	23.63	
May .....	3.17	3.63	2.02	1.57	1.86	1.91	2.23	4.11	1.52	2.34	21.36	
June .....	5.40	1.35	3.04	2.92	2.26	1.90	1.85	4.06	1.98	1.76	25.52	
July .....	4.57	2.05	4.95	2.89	1.09	4.82	4.32	3.43	3.76	6.96	38.84	
August .....	4.41	1.14	1.58	3.81	2.03	2.11	4.89	2.13	1.42	1.15	24.17	
September .....	1.58	3.83	1.55	2.64	4.12	3.07	3.49	2.86	1.80	3.62	28.56	
October .....	2.88	5.84	2.90	5.07	7.03	2.81	4.08	8.05	2.14	3.75	44.55	
November .....	5.64	2.90	1.59	1.70	5.23	3.53	1.45	6.41	4.98	4.89	37.32	
December .....	2.84	7.55	1.08	4.40	1.58	3.39	2.28	2.37	2.31	3.64	31.44	
TOTALS .....	39.30	40.37	29.10	37.83	33.93	34.28	35.60	41.63	33.96	36.18	362.18	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

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

RAINFALL at Pentland Hills (Morton) Station No. 5127

41

County of Midlothian Observer Edinburgh Water EngineerRiver Basin 5- Almond & C. Means T & A Leslie & Rod

Type of Gauge.....

Annual Average 37.4 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. Survey

File No. ....

Diameter ....	5"				898	753					
Height ....	1' 0"					1					
Altitude ....	749'					41					
Year ....	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	5 yrs Means
January ....	2.10	4.30	3.46	3.73	3.34	3.04	3.53	7.32	3.56	2.20	36.64
February ....	4.15	1.50	2.75	1.47	5.12	1.98	1.81	3.69	3.39	4.19	30.05
March ....	2.82	2.20	1.98	.65	2.17	2.46	6.31	2.40	1.10	2.88	24.97
April ....	1.90	2.02	1.40	2.38	1.74	.88	4.20	2.75	2.40	3.32	22.99
May ....	6.14	2.12	3.94	3.02	4.58	2.38	3.30	1.77	2.23	2.09	31.57
June ....	1.16	1.25	2.45	3.02	2.55	2.27	2.76	5.69	.99	2.05	24.19
July ....	3.51	3.06	2.33	2.10	3.44	4.32	3.20	3.79	1.92	4.36	32.03
August ....	4.07	3.19	4.44	3.47	3.31	4.43	.05	7.55	5.23	3.51	39.25
September ....	1.01	3.69	3.25	4.31	5.48	5.57	2.23	3.66	2.96	4.05	39.81
October ....	3.32	4.11	5.17	4.30	4.51	1.09	1.69	2.49	5.10	3.10	34.88
November ....	2.29	.84	1.50	7.06	.56	4.94	4.92	3.01	3.94	4.92	33.98
December ....	1.92	2.94	1.65	3.82	2.76	3.20	2.82	4.22	6.64	2.03	32.00
TOTALS ....	34.39	31.22	34.32	33.39	39.56	36.56	36.82	48.34	39.46	41.70	382.36
	D	D	D	D	D	D	D	D	D	D	

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. 5127

RAINFALL at Pentland Hills (mountain)

51

County of Midlothian

Observer Messrs J &amp; A Lessee &amp; Reid

River Basin 5 Ayrton &amp; C

T. Ayrton Esq. 1954

Type of Gauge Snowdon

Annual Average 37.4 in. based on 21 years obs. 10-weighted. Period of average 1881-1915 Ref. Survey  
" " 38.45 " " 40 " " within 1916-58 " " " 1916-50 " S.  
File No.

Diameter ...	5"				898	753	X				
Height ...	1' 0"					1					
Altitude ...	749'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.39	3.83	1.07	3.85	2.64	1.90	5.41	2.71	1.17	2.85	
February ...	3.40	.72	1.36	2.24	1.99	2.23	3.46	2.16	1.10	3.81	
March ...	4.27	1.75	.63	2.52	1.63	2.22	2.76	1.31	1.41	1.41	
April ...	3.55	1.94	3.45	1.56	1.04	.65	1.60	1.87	2.33	1.74	
May ...	3.26	1.73	2.58	5.28	3.12	1.67	1.96	3.04	1.66	1.48	
June ...	1.77	3.06	1.37	2.38	1.50	2.78	2.31	2.49	2.36	1.26	
July ...	3.07	2.88	5.05	2.58	2.21	5.07	4.57	5.60	3.41	2.72	
August ...	5.61	3.55	2.58	6.81	1.77	6.51	5.14	4.38	.98	4.05	
September ...	2.08	2.56	3.07	4.16	2.50	3.94	2.25	4.83	.77	1.99	
October ...	0.97	2.64	1.91	7.43	2.17	2.68	3.49	2.02	3.18	4.15	
November ...	6.19	3.32	5.55	5.18	1.17	1.19	2.25	1.67	6.79	3.83	
December ...	4.54	3.65	2.83	5.05	6.27	4.84	5.19	5.72	4.18	4.58	
TOTALS ...	43.10	31.63	31.45	49.04	28.01	35.18	40.39	38.36	24.24	33.27	
	D	D	D	D	D	D	D	D	D	D	

1954 g. moved to new site (replaced all rings) at end of driveway.  
In Dec 1956. G. found. Bank to SW about 1' above g. lip and 8' away; level beyond.  
Ratline exposed to east.

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference 36/074632

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 - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1912	✓	✓	/	
	- 67D 14-19	✓	✓ 67d 39-42	✓	



Station No. 5127**RAINFALL at Pentland Hills (Morton)**

51

County of MidlothianObserver Ness J. & J. Leslie & Co.  
Thos. Ratten 852River Basin 5. Almond & C.

Type of Gauge.....

Annual Average 37.4 in. based on ..... years obs. un-weighted. Period of average.....

Ref.....

File No. R456 28.6

Diameter ...	5"											
Height ...	1'											
Altitude ...	749'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.39	3.83	1.07	3.85	2.64	1.90	5.41	2.44	1.14	2.85	2.986	
February ...	3.40	.72	1.36	2.24	1.99	2.23	3.46	2.16	1.10	3.21	2.187	
March ...	4.27	1.75	.63	2.52	1.63	2.22	2.76	1.31	1.41	1.41	1.991	
April ...	3.55	1.94	3.45	1.56	1.04	.65	1.60	1.84	2.33	1.44	1.973	
May ...	3.26	1.72	2.58	5.28	3.12	1.67	1.96	3.04	1.66	1.48	2.578	
June ...	1.77	3.06	1.37	2.38	1.50	2.78	2.31	2.99	2.36	1.26	2.178	
July ...	3.07	2.88	5.05	2.58	2.21	5.07	4.54	5.60	3.41	2.72	3.716	
August ...	5.61	3.55	2.58	6.81	1.77	6.51	5.14	4.38	.88	4.05	4.128	
September ...	2.08	2.56	3.07	4.16	2.50	3.94	2.25	4.83	.44	1.99	2.815	
October ...	.97	2.64	1.91	7.43	2.17	2.68	3.49	2.02	3.18	4.15	3.064	
November ...	6.19	3.32	5.55	5.18	1.17	1.19	2.25	1.64	6.49	3.83	3.714	
December ...	4.54	3.65	2.83	5.05	6.27	4.84	5.19	5.42	4.18	4.58	4.685	
TOTALS ...	43.10	31.63	31.45	49.04	28.01	35.68	40.39	38.36	29.24	33.24	36.017	
	D	D	D	D	D	D	D	D	D	D		

1954 Gauge visited at end of October 1954 (after inspection).  
 Replaced again 7.12.56. Found 2.6" though a little open to back (perhaps is one  
 recommended in Oct. 1954 - 40 to 45 2.6" available)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 36/074632

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
	C 25	✓	✓	✓	