



# RAINFALL AT *Liberton, Alnwick Hill*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Edinburgh*

Rain Gauge, by \_\_\_\_\_

Observer *W. L. Cameron, Esq.*

*Humidity - 5.*

Diameter ....											
Height .....											
Altitude ....	<i>400</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>1.33</i>	<i>1.33</i>	<i>2.53</i>	<i>3.92</i>	<i>4.62</i>	<i>1.81</i>	<i>3.68</i>	<i>1.57</i>	<i>1.70</i>	<i>.69</i>	<i>2.318</i>
February ....	<i>2.11</i>	<i>2.90</i>	<i>2.62</i>	<i>1.63</i>	<i>1.63</i>	<i>2.59</i>	<i>1.56</i>	<i>1.98</i>	<i>1.77</i>	<i>1.71</i>	<i>2.070</i>
March .....	<i>1.98</i>	<i>3.06</i>	<i>3.20</i>	<i>1.97</i>	<i>2.06</i>	<i>1.60</i>	<i>2.05</i>	<i>1.77</i>	<i>5.00</i>	<i>1.02</i>	<i>2.371</i>
April .....	<i>4.30</i>	<i>.66</i>	<i>2.39</i>	<i>1.56</i>	<i>1.29</i>	<i>2.18</i>	<i>1.67</i>	<i>1.47</i>	<i>1.56</i>	<i>2.63</i>	<i>1.971</i>
May .....	<i>1.26</i>	<i>2.52</i>	<i>2.04</i>	<i>.85</i>	<i>2.27</i>	<i>2.92</i>	<i>5.00</i>	<i>2.17</i>	<i>.89</i>	<i>2.01</i>	<i>2.193</i>
June .....	<i>1.95</i>	<i>1.46</i>	<i>2.98</i>	<i>1.77</i>	<i>.59</i>	<i>.63</i>	<i>2.03</i>	<i>.52</i>	<i>2.67</i>	<i>1.69</i>	<i>1.629</i>
July .....	<i>3.97</i>	<i>4.07</i>	<i>4.50</i>	<i>4.35</i>	<i>5.03</i>	<i>1.01</i>	<i>2.71</i>	<i>2.39</i>	<i>5.79</i>	<i>4.54</i>	<i>3.886</i>
August .....	<i>.79</i>	<i>6.31</i>	<i>1.69</i>	<i>3.18</i>	<i>1.92</i>	<i>1.96</i>	<i>1.08</i>	<i>2.07</i>	<i>1.55</i>	<i>5.78</i>	<i>2.633</i>
September ...	<i>3.30</i>	<i>3.85</i>	<i>2.29</i>	<i>2.75</i>	<i>2.64</i>	<i>2.42</i>	<i>3.01</i>	<i>4.92</i>	<i>.96</i>	<i>.84</i>	<i>2.698</i>
October .....	<i>4.00</i>	<i>1.96</i>	<i>2.13</i>	<i>2.65</i>	<i>1.51</i>	<i>2.92</i>	<i>4.97</i>	<i>2.10</i>	<i>1.35</i>	<i>3.54</i>	<i>2.713</i>
November ....	<i>4.43</i>	<i>3.29</i>	<i>3.20</i>	<i>3.26</i>	<i>1.89</i>	<i>1.29</i>	<i>2.08</i>	<i>4.12</i>	<i>5.32</i>	<i>.71</i>	<i>2.959</i>
December ....	<i>5.06</i>	<i>1.99</i>	<i>5.25</i>	<i>2.95</i>	<i>4.21</i>	<i>1.46</i>	<i>2.20</i>	<i>1.43</i>	<i>1.26</i>	<i>1.97</i>	<i>2.778</i>
TOTALS ....	<i>34.48</i>	<i>33.40</i>	<i>35.02</i>	<i>30.84</i>	<i>29.66</i>	<i>22.79</i>	<i>32.04</i>	<i>26.51</i>	<i>29.82</i>	<i>27.13</i>	<i>30.169</i>

# RAINFALL AT Liberton Alnwick Hill Reservoir

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Edinburgh

Rain Gauge, by \_\_\_\_\_

Observer W. Anderson Esq

Amount &c - 5.

Diameter ....	11										
Height .....	0 6										
Altitude ....	400										
• Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	4.87	.70	.94		2.60	1.70	.90	.56	.85	3.84	
February ....	.79	.55	2.30		7.63	1.30	.60	1.60	1.14	1.45	
March .....	1.90	3.76	1.20		2.10	3.00	2.00	2.90	1.09	2.05	
April .....	1.18	.52	1.20		1.70	1.20	1.00	1.24	1.94	3.10	
May .....	1.90	2.18	2.80		3.70	1.20	.50	1.30	1.71	3.96	
June .....	3.10	.70	3.30		3.00	2.00	3.30	3.65	1.91	1.40	
July .....	3.19	5.55	1.90		3.60	4.90	4.49	1.95	1.25	3.90	
August .....	6.10	5.41	3.40		5.20	4.30	1.36	4.02	3.33	.51	
September....	1.22	4.39	2.00		.15	.60	4.55	1.68	1.86	2.16	
October .....	2.19	2.43	3.60		2.10	3.40	4.30	1.38	3.71	3.52	
November....	5.53	1.94	1.70		1.60	2.70	.70	2.05	4.48	3.46	
December ....	2.10	5.94	1.50		2.10	2.40	3.30	3.03	2.75	1.86	
TOTALS ....	34.08	34.07	25.24	26.00	34.48	28.70	27.00	25.36	26.02	31.21	(29.276)

1892 December Gauge snowed up } estimated  
1893



# RAINFALL AT

Liberton Alnwick Hill

Lat. ....

Lon. ....

County of

Edinburgh

Rain Gauge, by

Observer

W. Anderson Esq.

Almond + C-5.

Meson Leslie Reid Esq. (09)

Diameter ..	11											
Height ....	0	6										
Altitude ..	400											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.15	2.22	1.02	4.58	2.81	.99	3.51	1.15	3.09	3.42	2.592	
February ..	3.72	1.13	.50	4.01	3.23	1.24	1.11	1.31	1.27	1.28	1.880	
March ....	1.41	2.23	1.20	4.37	1.18	2.74	2.37	2.07	3.30	5.07	2.594	
April .....	1.81	1.80	1.21	.95	2.08	1.47	1.02	.94	1.60	2.38	1.526	
May .....	1.38	2.11	2.10	1.60	2.98	.88	5.00	2.76	2.57	1.56	2.294	
June .....	2.63	2.20	3.29	1.50	2.81	.93	1.55	3.37	1.00	2.15	2.143	
July .....	2.75	1.21	2.49	4.04	1.33	1.49	1.22	2.78	3.77	3.51	2.459	
August ....	4.59	2.90	1.32	2.38	4.87	2.63	5.78	3.41	.89	1.59	3.036	
September ..	2.45	1.05	1.42	2.35	1.39	1.48	.55	1.44	3.02	2.69	1.784	
October ....	3.81	1.73	1.61	6.31	.82	1.68	6.44	8.44	1.16	5.07	3.707	
November ..	4.97	3.00	.66	1.64	1.11	3.62	3.93	1.28	1.54	.76	2.251	
December ..	5.47	2.92	2.25	1.07	2.35	1.39	1.21	4.34	.47	3.41	2.488	
TOTALS ..	38.12	24.50	19.07	34.80	26.96	20.54	33.69	33.29	23.68	32.89	28.754	55

H. B.

RAINFALL at Liberton, Howick Hill Daily 9County of MidlothianObserver Messrs. Leslie & Reid C.E.River Basin Firth of Forth - Pt. Bank - Liberton

Rain Gauge, by

Diameter ...	11		5									
Height .....	0 6		1 0									
Altitude ...	400		407									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	BVHS (1910-1919)
January ...	3.51	.83	1.46	2.47	2.25	1.30	3.64	2.34	2.27	2.31	2238	10.56
February ...	3.35	2.65	1.96	1.74	1.65	1.73	4.41	.59	3.10	1.80	2298	9.90
March .....	1.14	1.30	1.93	3.75	2.60	1.49	3.52	1.40	.62	1.93	1968	7.47
April .....	3.75	1.43	.27	2.08	1.14	1.36	2.88	2.14	.72	3.29	1906	9.03
May .....	1.79	1.21	1.36	1.31	1.92	1.29	4.04	1.66	3.12	.77	1847	9.59
June .....	1.68	2.67	4.50	1.52	.95	1.60	3.03	1.61	.45	1.69	1970	6.78
July .....	4.49	.95	2.48	.42	2.09	3.22	5.43	1.31	3.86	.72	2497	11.32
August .....	6.11	1.52	4.81	1.78	1.39	3.94	4.44	4.53	1.76	1.45	3173	12.18
September ..	.58	1.56	2.92	2.40	.70	2.73	1.61	1.07	4.60	2.91	2088	9.99
October ...	2.22	3.16	2.53	1.58	1.12	2.14	4.63	2.98	3.04	2.52	2592	13.17
November ..	2.79	5.21	4.80	1.71	2.46	1.24	3.88	2.24	1.58	5.23	2814	12.93
December ...	1.18	2.44	4.14	1.78	3.10	4.48	2.91	2.01	1.55	2.34	2693	9.81
TOTALS ...	3259	2493	3016	2254	2137	2652	4442	23.88	2667	2776	28084	

D

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12273

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





RAINFALL at Liberton (Alnwick Hill).County of MidlothianObserver Messrs. Leslie & Reid C. E.River Basin 5 Aln and etc.

Rain Gauge, by \_\_\_\_\_

Diameter ...	5												
Height .....	1.0												
Altitude ...	407												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS	
January ...	2.98	4.59	1.94	1.61	2.32	3.42	2.96	2.28	5.48	.81	3.20	31.59	
February ...	2.91	.65	2.13	2.66	.64	3.49	2.79	1.02	2.69	.61	.42	20.01	
March .....	2.20	2.24	1.80	.92	1.15	2.25	1.69	1.66	1.78	.30	2.82	18.31	
April .....	1.64	.66	1.20	2.02	1.23	3.67	1.80	1.43	.66	1.57	1.07	16.95	
May .....	2.35	1.51	.85	1.88	4.20	4.14	3.07	1.27	1.35	1.60	1.08	23.30	
June .....	.88	.31	1.75	1.04	1.93	.41	2.89	3.37	5.09	2.64	1.69	22.00	
July .....	4.40	2.31	3.33	2.94	4.12	2.05	2.51	3.39	2.06	2.05	3.17	32.33	
August .....	6.13	3.92	1.49	3.92	2.09	3.60	1.92	6.60	4.49	3.97	4.97	43.10	
September...	.98	1.77	1.73	1.66	2.82	4.14	3.78	8.81	2.10	.25	4.68	32.72	
October .....	.94	3.82	1.97	1.88	3.21	1.89	3.51	3.00	2.94	2.89	3.09	29.14	
November...	2.29	1.07	1.26	3.02	1.08	.62	3.17	1.57	2.88	2.63	4.11	24.70	
December...	2.23	3.23	2.55	2.63	2.94	3.83	.58	1.55	1.89	3.91	1.68	27.04	
TOTALS...	29.93	26.08	22.00	26.20	27.73	33.51	30.67	35.45	33.41	24.23	31.48	321.19	

Site inspected by Dr. Glaspoole 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 Liberton (Coltness Hill) M. <sup>20</sup>County of MidlothianObserver Wm. Leslie & David T. E.River Basin Almond - 5

Rain Gauge, by \_\_\_\_\_

*Northy*

Diameter ...	8											
Height .....	1.0											
Altitude ...	407											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	2.95	4.60	1.80	1.40	2.30	3.43	2.95	2.25	5.50	.80	3.18	
February ...	2.90	.65	2.10	2.65	.60	3.50	2.75	1.00	2.65	.63	.40	
March .....	2.20	2.20	1.80	.90	1.15	2.25	1.70	1.60	1.75	.27	2.10	
April .....	1.65	.70	1.15	2.00	1.20	3.65	1.80	1.40	.65	1.55	.60	
May .....	2.35	1.50	.85	1.85	4.25	4.20	3.05	1.25	1.35	1.70	1.15	
June .....	.91	.30	1.75	1.00	1.90	.40	2.90	3.35	5.05	2.60	1.70	
July .....	4.40	2.30	3.30	2.90	4.30	2.05	2.50	3.35	2.05	2.80	3.36	
August .....	6.10	3.90	1.45	3.90	2.05	3.60	1.90	6.62	4.45	3.95	4.80	
September...	1.35	1.75	1.70	1.65	2.80	4.10	3.75	8.80	2.10	.25	4.60	
October .....	.90	3.80	1.95	1.90	3.20	1.85	3.50	3.00	2.90	2.90	2.90	
November...	2.25	1.05	1.25	3.00	1.05	.60	2.95	1.55	2.85	2.60	3.90	
December...	2.20	3.20	2.50	2.65	2.95	3.80	.57	1.55	2.05	3.90	1.00	
TOTALS...	30.16	25.95	21.60	25.80	27.75	33.43	30.32	35.72	33.35	24.45	30.09	

1923 not printed  
 1924 not printed - check gauge,  
 1925 ditto.  
 1926. "  
 1927. "  
 1928. "  
 1929. "  
 1930. "

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 Liberston (Alnwick Hill)

County of Middlethian Observer Messrs. Seale & Reid, G.E.,

River Basin 5- Almond & C. Edinburgh Water Engineers (1937)

Type of Gauge Snowdon

Annual Average 28.5 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref. Summary  
computer x1/36

Diameter	5"										
Height	1' 0"										
Altitude	407'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SWMS Means
January	2.05	4.18	3.06	2.66	1.39	3.77	2.77	4.19	3.99	96	29.02
February	1.79	1.18	1.46	.09	2.06	2.45	3.58	.92	1.77	.93	15.28
March	.93	2.53	.88	2.75	.96	2.33	2.41	.73	2.71	2.58	19.31
April	2.02	2.22	1.88	3.90	3.09	1.36	1.11	.16	1.18	2.06	18.98
May	2.87	3.09	1.66	1.31	.88	.84	2.53	4.33	1.32	1.43	20.26
June	4.49	1.20	1.74	2.80	2.44	1.56	.98	3.29	1.61	.41	20.52
July	3.42	2.39	4.45	2.50	.53	4.35	5.39	2.27	2.08	7.68	35.06
August	3.98	.36	.88	3.16	1.90	1.17	3.64	1.35	.99	.66	18.09
September	1.87	2.71	2.26	1.64	3.65	3.04	1.77	2.75	1.26	2.39	23.34
October	1.73	6.03	2.29	3.58	6.63	1.76	4.06	5.17	2.03	2.36	35.64
November	4.06	1.83	1.51	1.34	4.33	2.23	.32	4.63	3.68	3.56	27.57
December	1.21	5.92	1.00	2.91	1.24	2.16	2.87	1.92	.94	2.16	22.33
TOTALS	30.42	32.64	23.07	28.64	29.10	27.62	31.43	31.71	23.56	27.23	255.42
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.

1936. Shoulder 3' 6" high 24 ft. E.  
Tankhouse 15' " 100 ft. S.E.

† Inspected 18-3-38. No bottom or inner can to gauge, sit on path below general surroundings.  
New gauge installed and moved to new site 5 ft.

1940. Gas. part. col.

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
1936			Hawthorn	1 1/2 mi.	N.E.	Liberston	1/2 mi.	E.

Station No. 5135

RAINFALL at Liberton (Alnwick Hill)

41

County of Midlothian Observer Edinburgh Water Engineer

River Basin 5- Aln and C

Type of Gauge Snowdon

Annual Average 28.5 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref Survey

File No.

Diameter	5"				900	222					
Height	1'0"					1					
Altitude	407'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	51 yrs Means
January	2.01	2.84	2.44	2.10	3.42	1.88	2.52	5.25	2.02	1.22	25.70
February	3.01	1.34	1.46	1.01	2.77	1.42	1.69	2.02	1.55	2.60	18.87
March	3.18	1.39	1.59	.33	1.02	1.62	3.80	.99	.83	2.40	17.21
April	1.67	1.59	.96	1.83	1.28	.44	3.17	1.54	1.22	2.06	15.76
May	3.15	1.25	3.48	2.37	4.97	1.85	2.85	2.15	2.12	2.10	26.29
June	0.84	1.09	1.65	2.16	1.60	1.66	3.02	4.09	.96	1.60	18.67
July	2.99	3.21	2.42	2.47	2.25	3.06	1.87	1.91	2.55	2.37	25.10
August	2.93	2.40	3.76	3.04	3.36	2.33	.24	9.80	2.83	2.99	33.68
September	.90	2.71	1.32	4.80	3.12	3.38	1.19	2.72	1.74	4.68	26.56
October	3.50	2.64	3.14	2.32	3.62	.75	1.02	1.28	4.54	2.10	24.91
November	1.98	.65	.99	5.71	.34	3.42	2.88	2.21	3.24	3.55	24.97
December	1.14	1.53	.88	2.24	2.02	1.97	2.01	2.15	3.83	1.57	19.34
TOTALS	27.30	22.64	24.09	30.44	29.77	23.78	26.26	36.11	27.43	29.24	277.06

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.

BRITISH RAINFALL ORGANIZATION

Station No. 5135

RAINFALL at Liberton (Aberdeen Hill) (HA) 51County of MidlothianObserver Edinburgh Water EngineerRiver Basin S - Amond & CType of Gauge Standard (HA)Annual Average 28.9 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. Survey  
28.75 - 35 - 1916-1950 1916-1950 P

File No.

Diameter ...	5"				900	222						
Height ...	1' 0"					1						
Altitude ...	407'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	2.75	2.06	0.42	2.82	1.47	1.36	3.20	1.54	1.00	2.37		
February ...	2.11	.34	.69	1.59	1.43	1.78	2.66	1.74	.40	2.12		
March ...	2.57	.93	.44	1.30	1.98	1.11	1.49	1.95	.44	1.30		
April ...	2.48	1.42	2.28	1.16	.49	.72	.68	1.76	1.73	.92		
May ...	3.38	1.69	1.93	5.06	2.12	.70	1.59	2.04	.44	1.22		
June ...	1.47	2.71	1.51	2.24	.63	2.67	1.13	3.37	2.03	1.11		
July ...	3.58	2.15	3.89	1.64	1.89	5.07	5.00	7.18	2.69	2.70		
August ...	5.85	4.08	1.92	5.54	.98	7.58	2.00	3.01	.26	3.88		
September ...	0.98	2.15	2.89	3.51	1.32	4.05	1.45	2.02	.47	1.14		
October ...	.55	1.47	1.46	5.80	1.51	1.78	2.00	1.01	1.87	3.12		
November ...	4.43	2.22	3.35	2.92	.66	.70	2.61	.95	4.68	2.44		
December ...	2.22	2.84	3.60	2.89	4.75	2.61	2.50	4.30	2.87	2.55		
TOTALS ...	31.97	24.06	24.38	36.47	19.23	30.16	27.34	30.57	18.88	25.07		
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NT(36) 273 690

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, m3

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓	✓	✓	✓	
	- 68 D 14-19	✓	✓	✓	