

RAINFALL at Linlithgow, Grange

County of Linlithgow Observer H. W. Cadell Esq.

River Basin Forth-Right bank trib. 2

Rain Gauge, by Adie Wedderburn

Diameter ...			5								
Height			0 6		3						
Altitude ...			430 ft								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Syms. Jan-Dec 1916-19
January ...			2.12	3.40	2.95	1.32	3.14	1.45	4.16	2.97	11.52
February ...			2.63	1.83	2.56	2.65	3.73	.70	3.11	2.89	9.83
March			3.01	3.23	3.77	2.60	4.03	1.75	1.17	2.63	9.58
April41	2.76	1.15	1.39	1.76	1.96	.77	1.81	6.30
May			1.04	1.61	2.39	1.57	4.98	2.17	2.79	.53	10.47
June.....			3.85	2.37	.54	1.73	2.66	2.15	.45	1.03	6.89
July			2.29	.79	2.87	2.53	4.07	2.16	2.80	.98	10.01
August.....			4.24	.87	1.94	4.19	3.99	4.78	1.75	2.09	12.59
September ..			2.72	2.53	.57	2.82	1.81	1.10	5.02	2.83	9.66
October ...			2.95	1.35	1.90	3.11	5.80	3.32	3.78	1.15	14.05
November..			2.25	3.25	3.98	1.36	4.05	3.90	1.86	4.80	4.61
December...			4.58	1.88	5.35	5.72	3.00	2.41	2.05	3.69	11.15
TOTALS ...			32.09	25.87	29.97	30.99	42.52	27.85	29.71	26.58	126.66

1918 Wall 4 ft 5 ft N
 4 ft 6 ft 12 ft E
 moved from Pitten (Grange) ? before or after 1911

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	56.58	3.38	Linlithgow (1914)	1 1/4 m	S	St. Michael's	1 1/4 m	S.

RAINFALL at Llandaff (Gt George)

County of Llandaff Observer G. H. Cadell, Esq., F.R.S., F.R.A.S.

River Basin 2 Forth, Rykbank.

Rain Gauge, by ~~the Weatherman~~.

Diameter ...	5											
Height	0.6		0.9									
Altitude	430											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS
January	3.53	5.32	3.29	2.02	2.71	3.28	3.77	2.71	6.16	1.37	4.00	38.18
February	4.12	3.38	2.44	3.70	5.58	2.48	3.72	1.44	4.25	1.61	.88	25.40
March	2.99	3.49	1.42	0.94	1.14	2.46	1.67	2.22	2.71	.32	2.82	21.68
April	1.29	.87	2.16	2.81	1.37	3.23	1.53	1.13	.78	1.87	.88	17.92
May	2.24	1.84	1.46	0.70	5.72	5.69	2.81	2.08	1.81	2.24	1.31	28.90
June	1.46	.26	1.71	1.02	2.59	1.43	3.12	3.43	5.21	2.14	2.05	23.42
July	2.14	2.16	3.19	2.76	3.61	1.58	3.98	3.60	1.87	2.64	3.09	31.62
August	5.86	5.65	1.40	4.54	2.37	3.06	1.48	5.82	4.52	4.19	5.70	46.39
September	1.55	2.03	1.64	2.67	3.35	3.20	2.78	5.41	2.75	.86	3.71	29.65
October	1.02	3.92	1.49	2.74	2.65	2.31	4.46	3.93	4.33	3.81	.44	34.80
November	2.86	1.87	1.32	2.38	1.85	.88	5.18	1.86	3.57	4.62	3.65	30.04
December	3.52	3.77	2.51	2.39	3.75	3.27	.55	1.42	3.30	5.28	2.70	32.48
TOTALS	24.62	31.56	24.03	28.67	31.69	31.87	35.05	35.05	41.06	30.45	34.48	358.48
	0	0	0	0	0	0	0	0	0	0	0	

1925. It appears that record is low throughout but no. 2 is recommended acceptance.

Position of Station on reduced Ordnance Survey } No. of Map Reference No.
Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1920	56° 58'	33° 8' W.	Llandaff	1.5 m.	N.	H. Michael's	1.5 m.

RAINFALL at

Linlithgow (Grange)

County of Linlithgow

Observer H.M. Cadell, D.L., B.Sc., F.R.S.A.

River Basin 2-Forth - Right Bank

Mrs H.G. Cadell,
maiden name

Type of Gauge Standard

Annual Average 30.2 in. based on 21 years obs. yr-weighted. Period of average 1881-1915. Ref. Survey
computed xii/36

Diameter	5"										
Height	0' 9"		*							1' 6"	
Altitude	430'									450'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SUMS Means
January	1.96	3.94	2.76	3.06	1.61	4.80	3.44	5.13	3.92	1.45	32.00
February	2.08	.07	2.32	.19	2.81	2.73	4.37	.87	3.24	.91	19.59
March	1.50	2.50	1.35	2.82	1.39	2.12	1.71	1.28	2.55	2.52	19.74
April	2.39	2.85	1.24	3.74	3.25	1.00	1.65	.23	1.73	2.34	26.42
May	3.16	3.03	1.90	1.57	.59	.92	2.43	4.49	1.02	1.60	20.71
June	5.27	1.24	1.45	2.58	3.78	1.59	1.32	3.14	1.68	.48	22.53
July	4.56	4.04	4.48	3.78	1.62	3.82	4.02	3.29	3.62	.90	39.13
August	4.61	.50	.97	3.52	2.74	1.72	5.09	1.69	1.49	1.00	23.33
September	1.38	3.23	1.04	2.73	4.48	3.36	1.81	2.52	1.93	2.53	25.01
October	2.30	4.91	2.55	4.00	6.41	2.34	4.63	5.94	2.54	4.15	39.77
November	5.09	2.24	1.66	.68	3.93	2.37	.36	5.93	4.82	3.61	30.67
December	2.12	6.48	.69	3.37	1.80	3.44	2.31	2.43	2.07	2.45	27.16
TOTALS	36.42	35.93	22.41	32.04	34.31	30.21	33.17	36.94	30.61	28.94	320.08

1934. Wall 18" high 3'S.

Stake renumbered 5161

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
1934			Linlithgow	1 m	S	Linlithgow	1 m	S

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

5161

5169

RAINFALL at Linlithgow (Graange)

Station No.

County of West Lothian observer Miss Montgray Cadell
 River Basin 2-Forth-Right Bank Col. H.M. Cadell (1944)
 Type of Gauge Glaisher

Annual Average 30.2 in. based on 21 years obs. unweighted. Period of average 1891-1915 Ref. Survey

M

File No.

X

Diameter	5"			897	599						
Height	0.10	1 0				1					
Altitude	440'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	5YRS Means
January	163	3.74	3.10	2.74	3.40	3.04	3.03	5.66	2.68	1.98	31.03
February	3.03	1.48	1.95	77	3.63	2.32	2.02	2.96	2.18	2.79	23.13
March	2.91	1.51	1.48	67	1.69	2.24	4.31	1.86	.90	2.80	20.67
April	1.55	2.33	1.08	2.06	1.22	.45	3.59	1.99	1.67	2.06	18.00
May	6.63	1.93	3.69	2.48	4.72	2.42	2.08	1.96	2.01	2.03	30.95
June	0.50	1.40	2.65	2.50	2.72	2.33	3.42	4.47	.95	1.54	22.48
July	2.44	2.14	2.06	2.39	3.85	3.13	3.10	3.21	2.16	5.53	30.01
August	3.22	2.45	4.73	3.86	2.56	3.84	.03	2.56	3.36	5.58	37.19
September	.90	4.01	2.60	4.55	4.43	4.63	2.38	3.73	1.07	6.09	34.39
October	3.58	2.36	4.73	3.72	4.40	.72	1.55	2.47	4.92	2.20	30.65
November	1.91	.50	1.02	7.03	.53	4.85	3.09	2.67	2.18	2.87	26.65
December	1.29	2.13	1.00	2.61	2.88	2.59	1.91	3.73	4.58	2.05	24.77
TOTALS	29.59	26.01	30.39	35.38	36.03	32.56	31.51	42.27	28.66	37.52	329.92

1441 House 30' to eaves 45° W + N.W. No other near objects.
 1448 House 30'-40' high 45° to N.W. Low wall 1' high 2' bas.

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
1941 1948			Linlithgow Linlithgow	1m $1\frac{1}{4}$ m	S.E. Eggs.	Linlithgow Linlithgow	7.fur. $1\frac{1}{2}$ miles S

Station No.

5161

RAINFALL at Linlithgow (Gauge)

51

County of West Lothian Observer G.W. Mr. Badell

River Basin 2-Forth-Right Bank

Type of Gauge Glassbar 1954 given as Standard

Annual Average 30.2 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref Survey.
 32.432 195 " 1916-1950 1916-1950 P
 File No.

Diameter	5"				897	599					
Height	1' 0"					1					
Altitude	440'					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.47	2.28	0.66	2.95	2.36	1.89	4.67	1.91	0.91	3.01	
February	1.97	.54	.93	2.11	2.15	1.72	2.98	3.22	.82	2.69	
March	2.73	1.89	.53	2.67	1.63	1.41	2.17	1.86	1.09	2.05	
April	1.98	1.02	2.07	1.66	.62	.63	1.38	1.35	2.14	1.65	
May	2.36	1.38	1.98	4.20	2.95	1.25	2.67	2.98	1.01	2.46	
June	1.85	2.62	1.45	2.36	.94	3.30	1.75	4.14	1.74	1.38	
July	6.91	2.16	5.18	2.14	.74	4.65	3.52	5.88	3.67	2.90	
August	5.29	3.65	2.54	4.15	1.13	5.52	2.90	3.84	.75	3.82	
September	1.84	2.17	3.18	3.84	1.82	3.92	1.99	3.74	.69	1.67	
October	0.50	2.08	1.50	8.34	1.69	1.83	2.51	1.95	2.30	4.21	
November	4.73	1.98	4.39	3.81	1.38	.51	1.59	1.25	5.07	3.06	
December	3.46	2.10	3.63	3.81	4.47	3.00	3.70	5.14	4.19	3.26	
TOTALS	37.09	23.77	28.09	41.87	21.87	29.63	31.83	37.26	24.38	32.12	
	D	D	D	D	D	D	D	D	D	D	

1951 House 30'-40', 45° NW gradient; low walls 1', 2' S.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NT(36) 000.787

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge		Parish Church.	Distance Direction from gauge.
1951			Linlithgow	1 1/2 mi	E 73°	Linlithgow	1 1/2 mi S

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	✓	✓	✓	✓
		-12 ✓	✓	✓ but d 40	✓	