

RAINFALL AT

Biggar Shieldhill

Lat. _____

Lon. _____

County of Lanark

Bradford

Rain Gauge, by _____

Observer

M. J. Dunlop

NE Clyde, 2 banks - 4 ft.

Diameter ...									5		
Height									1 2		
Altitude ...									850		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										3.82	
February ...										1.75	
March										3.26	
April										2.25	
May										2.10	
June									1.90	2.05	
July									1.97	3.72	
August									2.96	2.41	
September ..									4.25	2.35	
October54	6.07	
November ...									1.82	1.26	
December ...									1.33	3.48	
TOTALS ...										34.52	

1908 Liberton Church 3 miles NW
 Shankston Station 4 " SW
 trees 40 ft high 30 yards E
 g. in field some distance from house

RAINFALL AT *Beggin Shieldhill*

Lat. Lon. County of *Lanark*
 Tipping Bucket till VII-07
 VII-07 *Swordon* Rain Gauge, by Observer. *Mif. Draxler*
Clyde, E bank - 4.

Diameter ..									5		
Height									On roof.		
Altitude ..									850		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..							3.53	.69	3.01	2.77	
March							1.06	.91	1.18	1.67	
April							1.24	1.62	4.32	3.49	
May79	.37	1.39	2.05	
June							4.30	1.66	2.78	2.12	
July							1.79	1.80	1.88	2.02	
August							1.77	1.81	1.88	3.56	
September ..							4.69	3.98	2.69	2.39	
October41	.55	4.07	2.35	
November ..							5.44	7.46	.54	5.90	
December ..							2.11	1.63	1.66	1.05	
							1.14	3.15	1.09	3.40	
TOTALS ..							28.27	25.63	26.49	32.77	

up 3 up 0 3 2

1907 Not printed. Had Jan-June useless.

1908 Gauge on flat roof of Home a foot of S.W. parapet the top of the
 gauge is 2 meters above parapet + 4 ft. above floor level of flat roof.
 Leithen Church 3 miles N.W.
 Shankton Station 4 " S.W.

not used for survey

RAINFALL at

Biggar, Shieldhill.

County of Lanark

Observer

Miss Dunlop.

River Basin Clyde - Right bank trib. 4.Snowdon Rain Gauge, by

Diameter ...	5											
Height	On roof											
Altitude ...	850											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.71	1.12	1.94	1.78	2.09	1.41	2.81	1.91	2.30	2.06	1913	
February ...	3.64	2.78	1.75	1.48	2.64	3.06	3.01	1.04	2.94	.76	2310	
March	1.65	1.68	2.08	3.54	3.34	1.70	1.82	1.45	.85	2.11	2022	
April	3.22	2.67	.18	2.70	1.33	1.39	1.84	1.89	.57	3.70	1949	
May	1.39	2.06	1.25	2.11	1.59	1.32	4.58	1.94	2.06	.71	1901	
June	1.75	2.71	4.20	2.82	.78	.89	3.04	2.63	.76	2.23	2181	
July	3.64	.87	2.24	.91	2.44	3.81	5.48	1.37	3.37	.72	2485	
August	4.29	1.74	3.82	1.22	2.08	4.69	3.89	5.32	1.95	3.31	3231	
September ..	1.06	1.40	2.35	1.67	1.36	1.34	2.00	2.79	4.89	2.73	2159	
October ...	2.26	2.44	2.15	2.21	1.23	1.30	4.95	4.16	3.51	1.92	2613	
November ...	2.76	3.74	2.05	2.51	3.00	1.67	3.32	2.43	2.86	3.14	2748	
December ...	2.14	4.03	3.78	1.59	4.47	4.06	2.77	1.69	2.71	4.16	3140	
TOTALS ...	29.51	27.24	27.79	24.54	26.35	26.64	39.51	28.62	28.77	27.55	28.652	

1913 gauge 4 ft above floor level of roof within 4 ft of parapet to S.W. Top of funnel 2" higher than parapet?
 chimney 7 ft high 15 ft W
 not used for survey (roof 3)

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.	55° 38'	3° 35'	Thurkerton	3 mls.	SW.	Liberton	3 mls.	NW.

RAINFALL at

Biggar, Shieldhill

County of Lanark

Observer Miss Dunlop

River Basin Clyde-Right bank tribs. 4.

Bradford Rain Gauge, by Bains (Edin.)

Diameter ...	5												
Height	1	2											
Altitude ...	850	T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	1916	1917
January ...	2.17	1.48	2.11	2.36	2.81	1.79	3.98	1.91	2.50	2.67	2378	1106	1106
February ...	3.89	3.24	1.96	1.76	3.36	3.79	3.98	1.07	3.72	.76	2753	953	953
March	1.84	1.80	2.48	3.59	3.75	1.70	1.89	1.94	.88	2.41	2228	712	712
April	3.32	2.95	.31	2.98	1.89	2.08	2.23	1.82	.58	3.85	2201	848	848
May	1.47	2.19	1.38	1.93	1.70	1.29	4.62	1.87	2.04	.63	1912	916	916
June	1.79	2.76	4.28	3.15	.78	.85	3.24	2.72	.94	2.23	2274	913	913
July	3.67	.89	1.86	.84	2.54	3.95	5.83	1.41	3.28	.63	2490	1115	1115
August	4.22	1.74	3.74	1.27	2.20	4.74	3.84	5.03	2.16	3.65	3239	1448	1448
September ..	1.08	1.74	2.48	1.84	1.40	1.25	2.12	3.78	5.25	3.12	2346	1367	1367
October ...	2.38	2.74	2.16	2.28	1.23	1.27	5.67	5.25	4.54	1.71	2923	1717	1717
November ..	2.75	4.35	2.48	3.06	3.87	1.36	3.89	3.94	3.64	3.91	3325	1538	1538
December ...	2.39	4.48	5.23	2.55	5.30	4.12	3.38	1.88	3.09	5.50	3792	1585	1585
TOTALS ...	30.97	30.36	30.47	27.61	30.83	28.19	44.67	32.62	32.62	30.87	31.861	1408	1408

1913 72 in 40 ft high 30 yards E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	55° 39'	3° 35'	Thankerton	3 mls.	SW	Liberton	3 mls.	NW.

RAINFALL at Biggar (Shieldhill).County of LanarkObserver Es. Mr. D. L. G.River Basin 4 Clyde, R. & Co.Shandon Rain Gauge, by

Diameter ...	5										
Height	* ref							1.0			
Altitude ...	850										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN
January ...	3.71	4.71	2.76	1.69	2.76			4.35	7.56	.94	4.69
February ...	2.82	.52	2.30	3.59	.49			1.44	3.51	1.59	.41
March	2.22	2.40	1.68	1.06	.65			2.80	2.58	.52	2.07
April	1.64	.89	1.80	2.90	1.25			2.26	.99	1.43	.99
May	3.67	2.08	2.03	2.09	3.48			1.62	1.88	1.51	1.42
June86	.51	1.46	1.06	1.04			3.74	4.72	1.86	2.03
July	2.28	3.38	3.43	3.25	3.24			2.40	2.75	3.73	3.10
August	5.41	6.65	2.30	5.45	2.61			5.76	4.32	4.82	6.04
September...	2.47	1.56	1.60	3.08	3.11			6.58	2.64	.81	3.26
October	1.67	3.08	1.37	3.03	2.50			3.79	4.49	3.99	5.23
November...	1.91	1.24	1.63	2.50	.92			3.42	3.73	4.85	4.32
December...	2.69	2.81	2.01	2.66	2.67			1.28	2.50	7.20	2.42
TOTALS...	33.35	30.33	24.37	32.36	24.72			39.44	41.67	53.25	38.98
	2	2	2	2	2			2	2	2	2

1920. Shindrop 7 ft. 15 ft. off. N.

* a flat roof left - one floor. 2 ft. higher than parapet ~~the~~

1924. 2 miles higher than parapet, within a foot of it. See station.

Note from Major Goldie after inspection on 23/6/25.

The roof gauge is near the southern edge of the roof & in strong southerly winds the catch is much too low. Steps are being taken to install a daily gauge on the ground.

1924. 7 ft. 15 ft. off. N. 15 ft. off. N.

1920. Shindrop in neighbourhood but not adversely affecting records. Site chosen in 1920 by Col. E. Gold.

1927. Inset 35 1/2 to 40 ft. high 17, 29, 36, 39 yds E. W. & S. W.

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
1920	55° 39'	2° 35' 25"	Shandon	3 m.	S.W.	Liberton	3 m.	N.W.

RAINFALL at Beigat (Shieldhill). M.County of Leicestershire Observer Miss Dunlop.River Basin H. Olyde, R. Olyde.Bradford Rain Gauge, by Barclay Edm.Months

Diameter ...	5"										
Height	1.2							1.0	1	2	
Altitude ...	850										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	5.17	6.83	3.42	2.63	3.15	4.10	3.74	4.37	7.91	.83	4.66
February ...	4.09	.61	3.00	4.08	.70	3.92	3.05	1.39	3.71	1.55	.44
March	4.08	4.48	1.80	1.56	.60	1.80	2.05	2.50	2.60	.52	2.07
April	1.67	1.18	1.79	3.30	1.48	3.76	2.19	2.32	1.01	1.88	1.02
May	4.24	2.31	2.49	2.45	3.61	5.08	3.25	1.52	1.84	1.59	1.42
June87	.40	1.56	1.20	1.29	.34	2.28	3.10	4.71	1.69	1.95
July	2.95	3.37	3.36	3.38	3.73	1.84	2.73	2.29	2.79	2.66	3.15
August	5.35	6.58	2.23	5.79	2.97	2.42	2.47	5.55	4.20	4.61	6.02
September...	2.50	1.64	1.78	3.63	3.66	4.08	3.66	6.60	2.56	.77	2.96
October	1.60	3.19	1.42	3.70	3.02	3.30	4.39	3.83	4.40	3.97	3.12
November...	2.69	1.35	1.87	3.92	1.48	1.15	3.93	3.59	2.77	4.92	4.39
December...	2.92	4.71	2.57	3.07	4.05	3.29	1.12	1.08	2.75	7.15	2.26
TOTALS...	28.13	36.65	27.29	38.72	29.74	35.00	34.86	38.14	42.25	52.74	35.46

1920. 300, 40 ft. 50 x 6. off 6.

1923. The obs. considers the gauge was out of order part of the year, owing to a slight leak, i.e.,
the inner can was therefore replaced.

1927. Check Gauge not printed

1928 Check Gauge not printed.

1929 " " " "

1930 " " " "

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	Direction from gauge
1920	55° 39'	2° 33' 30"	Thornbyton	3m.	S.W.	Liberton	3m	N.W.

RAINFALL at Biggar (Shireside)County of LeithObserver Miss DundasRiver Basin 4- Clyde Right BankType of Gauge Standard m.d. (1934)Annual Average 31.5 in. based on 24 years obs. 1/4 weighted. Period of average 1881-1915 Ref. S31.5computer x/37

Diameter	5'											
Height	1' 0"											
Altitude	850'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.21	5.46	4.47	4.58	2.00	3.91	4.56	5.79	3.58	1.47		Total 38.03
February	2.51	2.22	3.11	3.0	4.33	2.83	3.63	1.40	4.20	.75		23.28
March	.82	2.51	1.38	3.17	1.38	1.34	1.59	1.95	2.75	3.63		20.52
April	1.81	3.05	1.71	3.31	3.11	1.06	1.11	.29	1.32	2.48		19.25
May	2.62	2.59	2.64	2.84	.95	.73	1.53	2.58	.73	3.10		20.31
June	5.17	1.25	1.40	2.10	2.80	1.72	1.80	3.92	1.40	.69		22.25
July	4.12	3.22	4.90	3.12	1.07	3.33	4.88	4.38	4.12	5.86		37.00
August	3.67	.67	2.09	3.44	1.72	1.65	4.49	1.87	.94	1.62		22.16
September	.85	3.98	.98	3.26	4.25	3.80	1.92	2.62	1.34	4.98		27.98
October	2.89	5.62	2.58	6.58	6.80	3.65	4.00	6.80	1.67	3.51		44.10
November	4.57	2.64	1.43	1.49	4.58	3.86	0.64	6.41	7.19	3.83		36.64
December	3.10	7.38	.58	4.24	1.77	3.88	2.94	2.43	1.71	4.18		32.21
TOTALS	34.34	38.59	27.27	38.43	34.76	31.76	33.09	40.44	30.95	36.10		345.73
	2	2	2	2	2	2	2	2	2	2		416

1931. Tree 35' high 14 yds. E. Tree 35' high 28 yds. E. Tree 40' high 39 yds. W.
 Tree 40' high 36 yds. S.W. Site chosen in 1925 by inspectors.

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
1931			Thankerton	3m.	S.W.	Libberton	3m.	N.W.

RAINFALL at Biggar (Shieldhill) wsg.County of Lanark Observer Miss Dunlop.River Basin H. Clyde R. Bank.Type of Gauge 4 in. O.

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

c 1904

Diameter				5"							
Height				1' 0"							
Altitude				850'							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January				4.31	1.90	3.80	4.62		3.78	1.47	
February27	4.15	2.72	3.54		3.90	.64	
March				2.95	1.29	1.16	1.60		2.55	3.54	
April				3.22	3.01	1.33	1.07		1.39	2.43	
May				2.77	.96	.50	1.42		.73	2.80	
June				1.93	2.55	1.74	1.69		1.50	.64	
July				2.95	1.01	2.88	4.65		3.87	5.80	
August				3.28	1.58	1.58	4.42		.93	1.41	
September				3.12	3.95	3.74	1.94		.22	4.88	
October				5.90	6.70	3.50	3.80		1.59	3.00	
November				1.33	4.45	3.85	0.59		6.57	3.61	
December				4.14	1.62	4.08	(2.80)		1.63	4.12	
TOTALS				36.17 np	33.17 np	30.88 np	(52.14) np	N.R.	28.66 np	34.34 np	

This is a Bradford monthly reading gauge situated on lawn near the division
Daily Gauge No 5166.

1936. Trees 40 ft. high 30 yds. E.

1937. One corrected for loss due to snow. np. check gauge.

1939 np. check gauge

1940

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

RAINFALL at Biggar (Sheelgill) (Hunfield) Station No. 5166
 County of Leicestershire Observer Miss J. J. J.
 River Basin 4 - Clyde Right Bank
 Type of Gauge Standard

41

Annual Average 31.5 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. Computed 1/37

Diameter	5"				6.52	103	*					
Height	1' 0"											
Altitude	850'			900'		41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	0.86	4.77	2.55	3.02	2.99	3.06	2.90	5.26	3.83	2.15		Totals 31.37
February	3.23	0.99	3.42	0.93	3.82	1.94	1.17	3.08	3.24	3.64		25.46
March	2.27	1.50	1.56	0.55	2.35	2.14	2.56	2.37	1.21	3.34		19.85
April	1.27	1.34	2.24	2.79	1.12	1.15	4.91	2.95	2.34	2.89		23.00
May	5.24	1.68	3.81	1.79	4.47	1.17	3.20	1.02	1.50	1.44		25.32
June	0.99	.83	4.06	3.12	2.84	1.98	2.63	5.34	1.12	2.56		25.47
July	2.51	3.26	2.02	2.04	2.58	3.41	2.80	2.83	1.79	3.82		27.06
August	5.73	3.67	3.14	2.98	1.06	3.51	0.06	6.57	3.61	4.14		34.50
September	1.13	3.87	3.08	3.89	5.20	5.92	2.97	4.88	1.74	4.38		40.06
October	3.47	4.45	5.07	3.53	3.15	0.62	1.44	2.26	4.20	2.73		30.92
November	2.18	0.95	1.92	6.52	0.13	4.09	4.69	2.93	3.41	3.80		30.62
December	1.98	3.12	2.32	4.22	2.09	2.58	2.25	4.70	6.04	1.83		30.83
TOTALS	30.86	30.43	35.19	35.38	31.80	31.57	31.58	44.14	34.03	39.45		344.48
	D	D	D	D	D	D	D	D	D	D		1948

* 1/4/41. Gauge moved $\frac{1}{2}$ m. NE. (site chosen by M.O. representative)

Notes: A second (monthly) gauge is maintained but records are not required by M.O. 3.

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.
1941			Thornthorpe	3m.	SW	Liberton	3m	NW.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Biggar (Huntfield) Station No. 5166/1
 County of Lanark Observer Miss Huntley
 River Basin 4 Clyde - Right Bank
 Type of Gauge Bradford

41

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

File No.

Diameter	...				652	104					5	
Height	...					1					1.0	
Altitude	...					41					900	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January										2.12		
February										3.45		
March										3.36		
April										2.85		
May										1.32		
June										2.50		
July										3.66		
August										4.33		
September										4.39		
October										2.44		
November										3.31		
December										1.40		
TOTALS										38.73		

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

RAINFALL at Bigger (Huntfield)

51

County of LancashireObserver W. J. DunlopRiver Basin 4 Clyde-Right Banker GillsType of Gauge SnowdonAnnual Average 31.5 in. based on 24 years obs. w^h reweighted.Period of average 1881-1915Ref. S35.19 " " 35 " " 1916-19501916-1950

File No.

Diameter ...	5"			6.52	103						
Height ...	1'0"				1						
Altitude ...	900'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.71	3.93	1.06	3.68	2.19	1.94	3.88	2.69			
February ...	2.71	0.83	1.10	1.90	1.32	1.62	1.89	2.23			
March ...	1.89	1.21	0.73	1.77	1.11	1.72	2.66	1.16			
April ...	3.14	1.56	2.24	1.07	0.68	0.80	1.57	1.28			
May ...	2.44	1.39	2.14	4.54	2.37	1.22	2.29	2.43			
June ...	1.54	2.63	1.68	2.49	1.19	2.59	2.04	2.92			
July ...	3.20	2.53	4.58	3.25	1.70	4.34	3.40	6.86			
August ...	5.37	4.18	2.42	4.26	2.14	5.67	4.69	3.96			
September ...	1.93	2.31	2.47	4.18	2.83	3.50	2.86	3.27			
October ...	0.69	3.10	2.07	6.75	2.32	2.63	3.76	2.12			
November ...	4.79	2.68	4.18	5.38	.96	1.07	1.53	-100			
December ...	3.54	3.68	4.55	3.90	4.78	3.99	3.66	-100			
TOTALS ...	34.95	30.03	29.22	43.17	28.59	31.09	34.23	-100			
	D	D	D	D	D	D	D	None			

Inst. Oct 1954. G. S. MacKay. G. S. MacKay. Exp. Inst. Flat Endonwood measure.

1958 up line

W. new obs. 14/59 no readings Oct 58-April 59

x Moved 1/2 in 14/41

114.0 95.3 92.8 170 749 987 1087

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference NT174013402

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-(2) accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓ X.R. 25.26	✓	✓	
	✓	✓	✓	✓	

Station No. 5166/1RAINFALL at Biggar (Huntfield) check

51

County of Lanark Observer Miss DainlopRiver Basin Clyde Right Bank Tries Clyde River Pumpfutié BasinType of Gauge BradfordAnnual Average in. based on years obs. un-weighted. Period of average Ref.File No.

Diameter ...	5'				652	104					
Height ...	1'0"					1					
Altitude ...	900'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.45	3.50	1.14	3.42	2.18	1.88	3.81	2.60			
February ...	2.48	0.77	1.09	1.99	1.28	1.67	2.46	2.82			
March ...	1.95	1.31	0.69	1.81	1.28	1.64	2.60	1.19			
April ...	3.32	1.76	2.28	0.99	0.68	0.76	1.52	1.41			
May ...	2.23	1.45	1.92	4.29	2.30	1.19	2.28	2.45			
June ...	1.69	2.70	1.75	(2.56)	1.16	2.57	2.00	2.94			
July ...	2.96	2.54	4.65	3.15	1.72	4.30	3.40	6.80			
August ...	5.46	4.59	2.35	4.13	2.17	5.70	4.73	3.95			
September ...	1.92	2.22	2.55	4.16	2.77	3.43	2.80	3.36			
October ...	0.65	3.15	2.20	6.75	2.23	2.55	3.62	2.13			
November ...	4.91	2.61	4.17	5.56	.99	0.91	1.52	-1.00			
December ...	3.55	3.31	4.59	4.13	4.65	3.85	3.76	-1.00			
TOTALS ...	34.57	29.91	29.38	42.88	23.41	30.45	34.52	-1.00			
	NP	n.p.	n.p.	n.p.	NP	n.p.	n.p.	n.p.			

1951 N.P. check.
 1953 n.p. check.
 1954 n.p. check.
 1955 n.p. check.
 1956 " "
 1958 " inc

also died 1958 pos as 5166? check 1959
 MS-27.10.60 J. Shao. New g. installed 19.12.60. Exp Sal =
 G. is installed on same site as old check gauge.

01004

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference 36/012401

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 1950 n.p. 50	