

10 2314

RAINFALL at

Biddulph Gauge

County of Staffordshire

Observer

R Heath Esq

1914 from Staffs Sentinel

River Basin

Mersey Weaver 1

W. G. Sanderson

Rain Gauge, by

Diameter ...					5						
Height					0 7						
Altitude ...					325		525				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					1.96	5.38	1.99	3.51	2.19	4.15	
February ...					2.52	3.90	4.80	1.62	3.04	1.26	
March					4.32	2.04	2.50	2.29	1.96	5.59	
April					1.25	1.61	3.33	2.81	1.49	2.83	
May					2.99	1.52	2.35	2.17	2.91	1.48	
June					2.15	1.34	2.37	2.44	2.30	2.55	
July					6.37	5.91	2.42	1.56	4.90	2.71	
August					4.36	3.57	4.41	6.61	3.60	3.56	
September ..					2.11	.75	2.26	1.28	6.60	3.51	
October ...					1.78	1.66	3.96	5.81	2.09	2.86	
November ..					4.14	2.36	2.42	3.36	2.72	2.63	
December...					6.29	6.11	3.32	1.88	6.22	5.81	
TOTALS ...					40.24	36.15	36.13	35.01	40.02	38.94	

1915 Hedge 1 ft high 32 ft S

1914 and 1.16 cut 20.16

Date.	Lat. N.	Long. W	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.10.	2.10.	Biddulph	1 1/2 m	W	Biddulph	400 yds	W

RAINFALL at *Biddulph Stange*County of *Stafford*Observer *Robert Heath Esq.*River Basin *Mersey - Weaver*gdn. *J. Higgs*
(1929) *S. H. Sea. Exp.*(1929) *Scoredon* Rain Gauge, by *N. S. S.**The Secretary*

Diameter ...	5									5	
Height	0.7									1.5	
Altitude ...	525									570	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. Mean.
January ...	4.69	4.16	4.34							2.36	4.07
February ...	4.28	5.1	3.71							96	1.33
March	3.62	2.17	2.69							56	2.22
April	6.03	2.16	2.82							98	3.14
May	4.64	1.55	1.20							2.25	2.07
June	3.47	95	2.20							173	2.29
July	5.10	1.39	4.90							3.14	6.66
August	2.40	5.52	5.30							4.82	4.21
September...	3.82	1.05	3.92							1.89	4.02
October	2.02	2.87	5.0							5.00	4.91
November...	.77	2.25	2.10							7.42	3.73
December...	2.81	3.40	5.19							5.52	3.71
TOTALS...	43.65	27.98	38.87	#						36.53	41.36

1929 Record resumed with new gauge
Gauge is situated in kitchen garden - surrounded by high wall & containing
bush fruit trees.

1930. Woodlands & Lake E. and N. by N.E. - 700' - 800' above S.E.
Hospital block with tower & black steel chimney. W. 500' above S.E.

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	53° 10'	2° 10'	Biddulph	1 m.	W.			
1929			Congleton	2 1/2 mi.	N.W.	Biddulph	500 yds.	S.W.-W.

RAINFALL at Biddulph GrangeCounty of StaffordObserver The SecretaryRiver Basin Mersey & WeaverType of Gauge London

33.8

8

Annual Average 33.8 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. P. FileRevised 11/37 See File

16357/30

Diameter	5										
Height	1.4			1.5			1.6				
Altitude	570	560		571.87					575		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.69	2.94 ²	2.04	2.67	2.43	3.69	4.17	4.56	5.36	3.19	
February	4.17	3.0	4.61	4.44	4.23	2.12	5.73	1.16	2.57	2.84	
March	1.9	2.10	2.76	2.86	1.03	1.88	2.45	1.13	2.23	2.50	
April	4.33	3.00	1.80	2.25	3.50	1.57	3.87	2.4	1.99	2.16	
May	3.34	5.17	1.97	1.79	1.16	1.74	2.32	2.45	1.77	2.06	
June	5.56	7.9	3.33	2.09	4.90	2.67	1.39	2.60	2.04	1.80	
July	3.88	2.71	2.54	1.79	1.53	6.32	3.94	3.38	5.83	4.68	
August	5.96	3.13	1.03	2.64	1.75	2.99	2.26	3.36	1.90	1.33	
September	3.45	2.72	1.35	2.86	5.32	4.09	1.28	2.74	1.12	3.02	
October	1.18	6.57	5.60	3.84	5.48	3.28	2.09	4.54	2.64	3.96	
November	5.74	2.81	1.89	2.24	5.04	4.36	1.36	4.09	6.08	7.47	
December	2.11	1.07	0.40	5.66	3.83	3.85	3.68	4.46	2.05	3.60	
TOTALS	43.60	33.31 ^{2.29}	29.02	31.13	40.20	37.56	34.55	34.71	35.60	38.29	

1931. Woods and lake ^{643'} 420-500' high 600 yards E.N.E. Hospital block, tower, steel chimney
 Hts. measured by baromet. surveys 1935 572' 526' high 220 yds. W.

9.11.36. Jan. 1932 corr'd. for Aneth.

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
1931.			Congleton	2½ m.	N.N.W.	Biddulph	½ m.	S.W.
1937.			Congleton	3 m.	N.E.	Biddulph	300 yds.	W.

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

Station No. 2314

RAINFALL at Biddulph Grange

41

County of Stafford

Observer J. H. Secretary

River Basin Mersey - Weaver - 1

Type of Gauge Snowdon

Annual Average 32.8 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. one file

File No. 16357/30

Diameter	5"						554	637			
Height	1' 4"					1' 0"					
Altitude	570'			560'				41		560	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January		3.45	5.24	4.69	2.70	2.82	1.91	7.85		1.99	
February		1.87	2.10	1.67	3.06	5.64	.89	2.02		4.96	
March		2.07	.99	.65	1.19	1.14	5.29	1.23		1.43	
April		1.59	1.22	2.55	1.74	1.84	2.86	3.17		3.68	
May		4.52	2.94	1.66	3.85	1.65	2.58	1.36		1.06	
June		.84	3.16	3.68	2.64	3.36	2.13	5.63		1.72	
July		2.66	1.67	3.23	1.96	4.14	3.18	3.14		3.03	
August		2.30	4.46	4.02	3.75	4.62	.61	5.02		5.00	
September		2.66	3.93	3.33	2.12	4.57	2.05	2.66		3.98	
October		3.69	2.85	5.28	5.21	.84	.53	2.62		2.13	
November		.85	2.91	5.89	.47	5.92	3.93	2.27		5.18	
December		3.51	1.80	3.27	2.90	3.66	3.43	3.67		3.42	
TOTALS	N.R.	30.01 D	33.27 D	39.82 D	31.59 D	40.20 D	29.39 D	39.54 32.85	N.R.	37.58 D	

1942 Open ground.

1944 Wall 10' high 25 yds. W. Trees approx. 50' high 75 yds. E.

1950 Confirmed that alt. is 560'; no change of spot since 1942 at least. (See file 15A 7.16357/30)

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.
			Longdon	3 1/2 mls	W.	Biddulph	1 1/2 mls	S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2314

51

RAINFALL at Biddulph GrangeCounty of StaffordshireObserver J. H. SecretaryRiver Basin Mersey-WeaverType of Gauge SnowdonAnnual Average 33.8 in. based on 5 years obs. up-weighted. Period of average 1881-1915 Ref. see file
35.28 " " 26 " 1930-1957 " " 1916-1950 File No. 16251/20

Diameter ...	5"				554	637					
Height ...	1' 6"					1					
Altitude ...	560'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.01	2.86	1.46	2.45	2.73	4.44	1.85	3.33	2.86	5.79	
February ...	3.61	1.46	1.82	3.25	1.99	.93	2.63	4.64	.68	2.51	
March ...	5.78	2.57	1.61	2.70	2.68	1.91	3.51	1.66	1.67	0.97	
April ...	3.31	3.46	3.10	.58	2.11	1.29	.61	1.06	2.92	1.33	
May ...	2.27	2.45	2.29	3.21	3.51	1.21	1.60	3.34	1.13	1.62	
June ...	1.65	3.09	3.67	4.59	2.55	3.29	2.28	5.89	1.50	3.25	
July ...	2.46	2.17	4.49	4.57	.86	5.11	6.55	4.55	2.46	4.75	
August ...	4.40	2.36	3.30	5.13	1.22	8.78	4.76	4.92	.73	5.00	
September ...	2.37	2.80	2.70	4.06	2.81	2.33	6.92	5.31	.19	4.37	
October ...	1.03	3.77	2.15	6.24	2.76	2.86	3.15	3.81	2.43	4.80	
November ...	4.89	1.94	2.46	5.93	2.15	1.48	1.72	1.63	4.24	5.01	
December ...	3.93	3.52	1.38	4.40	2.80	3.82	3.27	3.52	5.17	4.38	
TOTALS ...	41.71	33.47	30.43	47.11	28.17	37.45	38.85	43.66	25.98	43.78	
	D	D	D	D	D	D	D	D	D	D	

1951 Well 10' high at 25 yds W. tower above 50' high at 75 yds E.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 33/894591

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Bonghton	3m. W.N.	Biddulph	1/4 m. W.A.W.

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record, or d	C 1914 ✓ lost - 17, 18	20-22, 29, 30 ✓	✓	42-48, 50 ✓	