

RAINFALL at Ormskirk Bickerstaffe Pumping StationCounty of South LancashireObserver S.R. Rappety Esq  
G. H. Abbott EsqRiver Basin alt + C 1Source Rain Gauge, by No 3

Diameter ...	5											
Height .....	1 2											
Altitude ...	128 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 Means Totals	
January ...	3.57	.72	3.46	3.01	1.98	3.94	1.81	1.69	2.02	3.16	8.68	
February ...	3.29	2.41	1.42	.94	1.72	2.62	2.82	1.19	2.83	1.10	7.94	
March .....	.76	.98	4.92	3.17	3.37	1.03	1.51	2.34	1.20	5.53	10.58	
April .....	2.13	2.61	.37	3.35	.74	1.95	2.18	1.93	.77	1.46	6.36	
May .....	2.75	.81	2.17	2.55	1.96	1.29	2.26	2.74	2.62	1.00	8.62	
June .....	3.57	3.55	4.05	2.21	1.63	1.58	2.16	1.82	1.88	1.95	7.81	
July .....	4.82	.54	4.28	1.83	4.87	3.51	2.28	1.64	3.88	1.84	9.64	
August .....	4.17	3.66	5.91	2.22	2.35	4.12	4.19	6.33	2.28	4.09	16.89	
September ..	.49	4.43	1.06	1.81	3.87	.81	2.88	1.83	8.45	2.19	15.35	
October ...	2.88	2.38	3.93	2.50	3.10	1.71	5.96	7.06	2.67	2.77	18.46	
November ..	4.82	2.67	2.59	4.24	3.36	2.40	2.57	3.52	2.20	2.05	10.34	
December ...	2.76	4.42	2.74	2.30	5.64	5.71	2.26	1.74	6.62	5.06	15.68	
TOTALS ...	36.01	29.18	37.20	30.13	34.59	30.67	32.88	33.83	37.42	32.22	136.35	41.88

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Town Green	2 1/4	NW	Bickerstaff	2 1/2 m	NE

## RAINFALL at Grimshirk Bickersliffe Pumping Station

County of S. LancashireObserver Mr G. H. Abbott Esq.River Basin Alt & C 1C. Burton Esq., Eng. CE.  
Engineer & ManagerSnowdon Rain Gauge, by N. G.

Av (881-1915) 33.2

Diameter ...	5											
Height .....	1	2										
Altitude ...	128											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 MEANS.
January ...	3.53	3.77	3.48	2.47	2.51	1.67	3.32	4.01	5.87	1.97	5.55	38.15
February ...	2.40	2.23	3.18	4.23	1.78	4.85	2.78	1.17	3.11	1.85	1.35	23.93
March .....	3.47	2.15	1.40	1.66	1.14	1.10	.87	3.91	1.99	1.15	3.04	21.88
April.....	4.42	1.31	1.80	3.16	1.83	1.69	.93	1.38	1.27	.87	2.45	21.11
May .....	4.71	2.07	1.44	3.16	5.52	4.16	2.69	1.47	1.46	2.40	1.33	30.41
June .....	3.02	2.24	2.38	1.70	3.87	.03	1.88	3.96	4.87	1.39	1.48	23.82
July .....	6.39	1.52	4.55	3.11	4.36	4.16	4.09	3.59	1.95	2.74	5.11	41.57
August .....	2.77	5.37	3.77	3.81	7.08	3.86	3.80	5.03	4.27	4.07	5.86	49.67
September...	3.35	1.44	3.21	3.29	4.73	4.16	4.85	5.24	1.19	2.51	2.86	36.53
October.....	1.19	2.83	3.4	4.24	5.27	4.08	4.05	3.25	3.94	5.72	5.16	40.87
November...	1.45	2.72	2.63	4.46	2.13	2.96	5.05	5.27	5.30	6.38	6.00	44.28
December...	2.39	4.25	4.91	5.32	4.34	2.62	1.49	1.96	2.67	6.09	4.30	40.34
TOTALS...	39.09	27.90	33.09	39.61	43.56	35.34	35.80	40.34	37.89	36.14	43.19	411.85
	d	d	d	d	d	d	d	d	d	d	d	d

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Lawn Green	2 1/4 mi	N.W.	Bickersliffe	2 1/2 mi	N.E.

## RAINFALL at Omskirk (Bickerscliffe P. Stn.)

County of South LancashireObserver C. Burton Esq. F.R.S.River Basin Alfred - 1.

Type of Gauge

Annual Average 33.2 in. based on 20 years obs. un-weighted. Period of average 1880-1900 Ref. 544  
Barthol

Diameter	5.											
Height	1.2					0.9						
Altitude	128											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1931-40	
January	3.53	3.38	2.09	2.38	1.54	3.83	2.40	3.40	5.15	(2.53)	30.23	
February	2.90	.06	3.27	20	3.31	2.38	4.47	1.08	2.94	2.09	22.70	
March	.40	2.43	2.25	1.71	1.04	1.83	1.56	1.03	1.70	2.74	16.69	
April	8.80	2.99	1.54	1.97	2.45	1.27	3.33	.23	1.75	1.87	20.20	
May	2.41	4.64	1.84	2.58	1.75	1.28	2.00	3.44	1.55	3.29	24.78	
June	3.31	.60	1.87	2.12	2.91	3.38	1.69	3.74	2.99	.79	25.40	
July	3.19	4.51	1.71	.78	1.72	3.37	1.82	3.45	5.44	4.78	31.27	
August	7.65	1.69	2.01	4.41	2.11	1.87	2.54	4.40	2.45	1.59	30.72	
September	3.66	3.52	1.01	2.48	6.52	3.17	1.79	2.11	1.33	3.81	29.90	
October	2.34	7.65	3.80	4.59	5.51	2.50	2.20	7.37	2.08	4.81	42.85	
November	6.31	3.02	1.62	2.36	4.46	4.28	1.89	4.30	5.27	6.17	39.68	
December	1.80	1.54	.60	4.91	3.25	3.26	1.78	4.30	4.65	2.64	28.83	
TOTALS	42.30 2	36.03 2	23.61 2	30.99 2	36.57 2	32.52 2	27.47 2	38.85 2	37.80 2	37.11 2	343.24 2	

1940 Jan 25-31 estd from nearby stations.

Gauge surrounded by low wall 1'8" high 5'8" internal diameter.

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, EXHIBITION ROAD, LONDON, S.W.7.



Station No. 2807RAINFALL at Richstoffs (Birkenstoffs P. Sta.)

41

County of South Lancashire Observer E. Burton Esq. - Esq. C. E.River Basin Alt. & L. - MO N. B. Bennett Esq. C.E. (1942)Type of Gauge GlaisherAnnual Average 33.2 in. based on 20 years obs. unweighted. Period of average 1881-1915. Ref. GIS sheet.File No. 16644132

Diameter	5"		568	391							
Height	9"			1	8"			8 1/4"			
Altitude	128'			41				137.25'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.21	3.89	4.15	4.46	2.08	4.35	3.10	7.01	2.79	1.76	35.86
February	3.33	1.42	2.37	1.44	3.08	5.08	.64	1.80	1.59	4.19	24.94
March	2.80	2.39	.55	.90	1.09	.88	3.23	1.08	2.34	1.29	16.80
April	1.66	1.65	1.85	2.39	2.04	.95	3.02	1.67	2.92	2.72	20.86
May	1.73	3.09	2.61	2.14	4.23	1.76	3.83	1.85	2.95	1.12	25.31
June	.49	.45	2.73	2.89	2.95	3.26	2.32	4.32	.63	2.09	22.13
July	1.48	3.54	4.41	2.49	2.77	4.52	3.00	2.91	2.78	2.89	30.79
August	4.30	4.53	4.28	3.99	2.20	5.88	.28	5.30	2.22	7.86	40.90
September	1.40	3.07	3.85	5.43	2.33	6.30	3.08	2.16	1.13	5.85	34.60
October	4.30	4.46	4.67	4.25	5.02	.81	.74	2.60	4.42	3.29	34.56
November	2.39	1.08	2.34	5.81	.35	4.96	3.73	2.34	4.87	5.46	33.28
December	1.18	2.71	2.06	2.68	3.17	3.83	2.55	3.22	5.20	3.65	30.25
TOTALS	27.26 d	32.28 d	35.77 d	38.87 d	31.31 d	42.58 d	29.62 d	36.32 d	34.04 d	42.17 d	350.22 d

1942 Filter house 27' high 230' E. Gauge surrounded by enclosure of ironing 53'6" (NE & SW) X 25'3" (SE & NW) by 5' high with 1/2" bars at 5" centres. Gauge is 14'3" from S end & 12'6" from E end.

1944 As above also - g. raised direct wall (within enclosure) 3 ft. inside drain.

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.
1942			Town Green	1 3/4 m	NW	Richstoffs	1 3/4 m	ENE

BRITISH RAINFALL ORGANIZATION

Station No. 2807

RAINFALL at *Armskirk (Bickersstaffe P. Sta.)*

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County of *Lancashire*Observer *R. B. Bennett Esq. C.E.*River Basin *Alt. 46-1*Type of Gauge *M.O.*Annual Average *32.2* in. based on *20* years obs. up-weighted.Period of average *1881-1915*Ref. *A.M. Sheet P**35.47* " " " *35* " " *1916-1950*File No. *1916-1950 16644/32*

Diameter ...	5"			568	391						
Height ...	0'-8"				1						
Altitude ...	127'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	3.04	3.72	1.70	2.53	2.46	4.42	1.98	3.01	2.77	5.71	31.34
February ...	2.79	1.40	1.18	3.42	2.48	.32	2.21	5.51	.35	2.36	22.02
March ...	4.38	1.84	1.19	2.27	1.83	1.04	2.42	2.13	1.51	1.95	20.56
April ...	1.62	2.57	3.11	1.05	2.04	2.60	.43	.74	2.83	1.60	18.59
May ...	3.23	2.20	2.00	2.55	3.02	1.18	1.84	3.61	1.92	2.71	24.26
June ...	1.06	2.38	1.83	2.76	3.81	1.79	2.20	3.64	3.32	1.24	24.03
July ...	1.69	1.79	3.82	5.20	.92	4.69	4.95	4.37	4.31	4.85	36.59
August ...	4.40	2.71	4.22	3.94	1.49	10.59	4.62	3.75	.33	5.19	41.24
September ...	2.84	4.28	4.48	4.43	3.19	2.70	6.01	4.25	.44	3.46	36.08
October ...	1.38	4.34	1.56	7.50	2.15	2.44	4.20	3.38	3.32	4.47	34.74
November ...	8.28	2.45	3.84	6.50	1.69	2.01	1.52	1.87	5.58	6.68	40.42
December ...	6.33	3.27	1.41	4.01	4.30	2.66	3.30	3.77	6.20	3.84	39.09
TOTALS ...	41.04	32.95	30.34	46.16	29.38	36.44	35.68	40.03	32.88	44.06	368.96

1951 gauge situated at centre of dwarf wall 8' in diam  
 1952 stone in iron frame, 5'6" x 2'5" x 5' high. Building 27' 230' E of gauge.  
 1956 two above and 2" dia brass at 5' in frame (Gauge 12'6" from E side & 14'5" from S end.)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

24419036

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Goun Green	1 3/4 m. N.W.	Bickersstaffe	1 3/4 m. E.N.E.

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
	✓ D11-18, d19	✓ d12 d21	✓ d12 d35	✓	