

2900

80

RAINFALL AT *Blackstone Edge Hollingworth Lake*

Lat. _____

Lon. _____

County of _____

Lancashire

Rain Gauge, by _____

Observer _____

*C.R. Dykes Esq**Inwell 3*

Diameter											10	
Height											1.5	
Altitude											600	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January										1.90		
February										3.20		
March										2.50		
April										3.50		
May										2.10		
June										1.20		
July										3.00		
August										6.10		
September										1.10		
October										5.80		
November										2.10		
December										3.50		
TOTALS										36.10		

Annual values rejected from survey (8' low).

RAINFALL AT *Blackstone Edge Hollingworth*

Lat. _____

Lon. _____

County of _____

Lancashire

Rain Gauge, by _____

Observer *Rochdale Canal Comp^y*
C.R. Dykes Esq

Messrs. Inall & Co

Diameter	10											
Height	15											
Altitude	600							650				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.80	3.30	3.40	.80	3.50	2.30	1.60	1.30	3.20	6.00	3.120	
February ....	.60	.30	2.20	4.60	5.30	.00	1.20	2.50	3.50	1.40	2.160	
March	3.50	1.90	.90	1.30	3.50	3.70	6.40	4.40	2.30	2.20	3.010	
April	1.30	1.90	1.20	.50	1.70	2.10	1.80	2.90	2.20	3.50	1.910	
May	3.00	3.30	3.80	2.50	3.70	.70	.40	1.80	2.90	3.50	2.560	
June	3.60	1.30	2.90	2.40	2.80	3.90	2.00	3.80	2.90	1.40	2.700	
July	2.90	3.20	2.50	3.00	3.30	5.80	2.50	1.90	.50	2.50	2.810	
August	5.40	7.00	4.30	2.90	4.00	4.50	1.20	3.80	6.00	1.60	4.070	
September....	1.10	3.40	4.50	4.20	.10	1.80	6.30	4.20	.90	6.50	2.900	
October	4.00	6.20	5.90	3.60	4.60	3.90	3.80	2.00	4.40	3.40	4.180	
November....	6.50	3.70	2.40	2.70	2.80	3.50	1.50	4.00	2.80	1.70	3.160	
December ....	.50	8.40	2.70	5.30	4.10	4.60	4.80	7.70	4.80	3.00	4.590	
TOTALS . . .	38.20	43.90	36.70	33.80	39.40	36.80	33.50	40.30	36.40	36.70	37.570	

1892 Littleborough $\frac{3}{4}$ mile N.W.
Eggle House 36 ft high 90 ft S.W.

Annual value rejected from runway (8' low).

2900

RAINFALL AT *Blackstone Edge, Hollingworth, Lanc.*
Millborough
 Lat. Lon. County of *Lancashire South*
 Rain Gauge, by Observer *Rochdale Canal Company*
C. R. Dykes Esq
Well 3

Diameter ..	10										
Height	1.5										
Altitude ..	650					600					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.50	2.60	3.20	4.00	3.80	1.90	5.00	2.23	3.80	2.86	3.489
February ..	3.50	1.00	1.20	3.80	4.30	2.00	3.70	2.74	3.39	2.43	2.806
March	5.0	3.70	2.10	5.20	2.20	4.00	4.00	3.77	3.08	2.77	3.132
April	2.10	2.60	2.00	1.70	2.90	2.60	1.40	2.13	1.55	3.42	2.240
May	1.40	1.90	2.50	3.60	2.00	1.00	2.50	3.50	2.73	1.82	2.295
June	5.30	1.90	1.10	1.70	1.60	2.60	1.20	8.08	1.97	1.91	2.736
July	2.40	1.70	2.10	3.50	1.60	2.70	3.60	2.79	4.33	5.18	2.990
August	4.60	2.30	2.50	5.00	4.30	4.60	4.40	4.77	3.28	3.26	3.911
September ..	1.50	.70	1.90	5.20	.70	2.80	1.20	.90	4.08	2.70	2.178
October	6.20	3.30	4.20	8.60	2.40	3.20	7.00	4.99	1.75	6.04	4.768
November ..	3.90	5.40	2.50	2.90	3.20	3.50	3.50	3.60	2.61	1.23	3.234
December ..	5.60	5.10	3.80	2.50	3.20	1.30	3.20	4.24	2.61	6.86	3.841
TOTALS ..	42.50	32.20	29.10	47.80	32.20	32.20	40.70	43.74	35.18	40.58	37.620

Hills

Annual values reported from survey (8" dia.)

RAINFALL at Littleborough Hollingworth LakeCounty of South LancashireObserver Rochdale Canal Co
Ex DykeleyRiver Basin Messing Inwell 3W. A. M. Gash Esq

Rain Gauge, by _____

Diameter ...	8										
Height	1.5		1.0								
Altitude ...	600										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.11	2.05		3.48	2.95	5.96	3.33		2.54	3.91	
February ...	4.39	4.65	5.00	1.58	3.26	4.57	4.39		5.36	1.58	
March	1.09	2.24	5.65	4.90	4.85	1.65	2.40		1.42	5.26	
April	3.21	2.32	1.10	4.64	1.47	1.78	2.72		1.32	1.51	
May	2.67	1.59	2.47	3.20	2.21	3.21	2.26	1.70	1.76	1.84	
June	3.79	2.60	5.62	2.30	2.36	.74	2.45	1.78	1.06	1.68	
July	4.25	.87	2.71	.98	3.67	4.65	2.58	2.31	5.79	2.10	
August	5.31	2.23	6.96	2.21	3.61	4.04	2.86	6.93	2.84	3.47	
September ..	.30	3.93	1.87	1.55	2.98	1.46	2.06	2.31	10.27	1.23	
October ...	2.93	2.74	4.80	1.85	2.28	1.56	7.75	6.24	2.94	3.10	
November ...	5.73	5.07	3.03	4.56	5.23	2.52	3.40	3.21	1.71	3.13	
December ...	4.48	6.29	5.39	3.00	6.55	7.20	2.90	2.35	7.71	6.65	
TOTALS ...	43.26	36.58	44.60	34.25	41.42	39.34	39.10	33.44	44.72	35.46	

Rejected from Survey. 8" low.

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

RAINFALL at Littleborough Hollingworth LakeCounty of (Lancashire)Observer Rockdale Canal Co.River Basin Mersey-Trent 3m.a.m. Galt Esq. M.B.E.
Engineer, Oldham W.W. 1924Rain Gauge, by N+ZGauge 01-012W 1922 Good condition 262715-155
235-240
1000

Diameter ...	9										
Height	1.0										
Altitude ...	600				610						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN
January ...	4.32	5.70	2.71		3.33	3.50	5.14	4.74	11.34	2.24	6.68
February ...	3.94	6.5	4.12		1.27	6.84	3.48	1.84	5.26	.78	.70
March	3.10	2.95	2.58		1.74	1.57	1.98	5.16	3.02	1.29	2.84
April	4.70	1.35	2.97		1.87	2.73	2.21	3.29	.80	1.23	3.03
May	5.02	2.14	.95		5.26	5.03	4.18	1.71	1.45	3.39	1.83
June	2.32	.15	2.08		2.92	.27	2.78	4.25	6.51	1.52	3.03
July	8.59	1.45	3.37		3.65	2.40	3.04	3.30	1.71	2.70	7.12
August	2.15	5.47	5.33		5.75	4.29	4.69	8.87	5.33	5.67	7.35
September...	2.20	1.64	2.50		4.78	3.77	3.15	5.94	.62	2.05	3.98
October	1.78	3.22	.92		5.63	5.57	3.76	3.94	4.41	5.60	6.05
November...	1.79	2.39	2.73		2.33	3.11	6.02	4.58	7.26	8.10	5.69
December...	3.40	5.61	5.39		5.38	3.60	2.11	1.15	3.21	4.63	3.60
TOTALS...	43.31	32.72	35.65	NR	43.91	42.68	42.54	48.77	50.92	42.23	51.90

Inspected 6.7.22 S. in under iron rails 4 ft. high & 4 ft. distant. S. on hummocky land on E. of Res.; deep natural hole on S. of gauge & small hollow on W. & N.E. Fairly level on E. & N. & general fall to lake. In effect on a hummock among hollows. Small stem trees 30 ft. high 70 ft. tall. Pool exposure but not very bad. S. was until a few years ago a few yards further E., the site being more level but not much better.

Inspected 7.10.23 The new site of gauge is a little higher from road which 1926. 40 ft. high 70 ft. high runs between J.C. Lake

Rejected from Survey. 8" low.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1924	53°57'50"	2°57'	Littleborough	1 mile	N.	Littleborough	1 mile	N.

RAINFALL at Littleborough (Hollingworth L'ke)

County of South LancashireObserver C. J. Bartley, Esq. C.E.River Basin Mersey-Irwell-3C. Broadfield, Esq. (1938)Type of Gauge M.O.Annual Average 40.6 in. based on 9 years obs. un-weighted. Period of average 1881-195 Ref. 3

66067/26.

Diameter	8.										
Height	1.0.										
Altitude	610.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.31	5.61	2.84	3.49	1.68	4.12	3.98	5.40	5.15	1.65	
February	5.60	1.7	3.93	4.3	5.72	2.38	5.73	2.11	5.05	1.91	
March	2.5	2.54	3.28	2.90	1.84	2.58	2.18	1.10	2.85	3.09	
April	3.43	3.78	1.91	2.62	3.50	1.15	2.19	6.2	2.03	2.38	
May	2.98	4.64	1.86	2.96	1.86	1.25	2.16	3.77	1.78	.98	
June	5.57	.93	3.36	2.23	4.37	5.06	2.15	5.05	3.36	.92	
July	4.61	3.89	3.36	2.90	1.83	3.78	1.95	4.97	6.78	5.07	
August	5.30	1.27	1.69	3.15	1.73	2.87	2.54	3.98	2.67	2.19	
September	3.46	4.79	1.51	3.71	7.47	5.03	1.86	1.55	1.44	4.37	
October	2.50	7.37	4.45	5.10	8.67	5.17	1.97	9.85	2.25	4.59	
November	8.15	3.15	2.17	2.32	5.68	5.99	2.29	5.65	7.37	7.27	
December	2.24	2.13	.59	5.72	3.31	3.98	2.77	5.10	3.67	4.41	
TOTALS	49.40	40.27	30.95	37.52	46.66	43.36	31.78	49.15	44.40	38.83	
	D	D	D	D	D	D	D	D	D	D	

Wass. 12' high 70'S.

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			Littleborough	1m.	N	Littleborough	1m	N

Station No. 2900

RAINFALL at Littleborough (Hollingworth Lake)

41

County of Small Lancashire Observer C. B. Field Esq.

River Basin Mersey-Trent-3

Type of Gauge m.o.

Annual Average 40.6 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 66007/26

Diameter	8"			561	359						
Height	1'0"				1						
Altitude	610'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.34	4.99	6.28	6.20	3.80	4.96	3.45	9.23	1.99	2.70	
February	4.71	1.63	3.23	2.28	5.57	6.22	.60	3.31	3.41	5.13	
March	4.42	3.36	1.43	.46	1.35	1.30	5.30	1.77	1.97	2.44	
April	2.76	2.74	2.46	3.16	2.57	1.60	4.25	2.10	3.98	3.52	
May	2.40	3.92	2.99	3.19	4.67	1.51	2.12	1.51	4.38	1.83	
June	1.04	1.01	4.04	3.47	5.53	3.64	2.76	4.84	.67	2.18	
July	2.33	4.31	3.07	4.66	2.45	5.22	3.94	1.81	2.02	4.18	
August	6.17	4.98	6.12	3.89	2.49	5.67	.38	4.50	3.18	6.10	
September	.64	2.47	5.26	5.43	2.90	6.90	3.09	2.84	1.29	7.29	
October	5.29	6.16	3.28	4.63	6.51	.78	.95	2.59	5.07	2.50	
November	3.04	1.27	3.29	8.02	.57	7.18	6.61	2.21	6.42	5.56	
December	2.41	4.26	2.51	5.08	2.74	3.75	4.21	4.14	7.22	3.13	
TOTALS	36.58 D	41.04 D	43.96 D	50.48 D	41.15 D	48.73 D	37.66 D	40.88 D	41.60 D	46.56 D	

1941 Wall 16' 6" high 70' S.

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			Littleborough	1 m.	N.	Littleborough	1 m.	N.

BRITISH RAINFALL ORGANIZATION

Station No. 2900RAINFALL at Littleborough (Hollingworth Lake)

51

County of L. Lancashire Observer E. Busfield Esq.River Basin Mersey - S. Well - 3Type of Gauge M.O.Annual Average 46.6 in. based on 9 years obs. up-weighted. Period of average 1881-1915 Ref. S.File No. 660.607/26

Diameter ...	8"			561	359						
Height ...	1' 0"				1						
Altitude ...	610'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.44	5.10	1.54	4.21	2.78	5.38	4.31	4.88	3.64	5.32	
February ...	3.27	1.37	2.93	2.81	2.44	1.45	2.87	5.72	.43	2.60	
March ...	4.53	2.48	2.24	2.70	2.08	1.50	3.89	2.21	1.93	1.14	
April ...	2.51	3.66	3.54	.81	2.35	4.04	.50	1.26	3.66	2.55	
May ...	2.14	2.25	2.77	2.97	3.83	1.64	1.97	4.06	2.08	1.92	
June ...	.90	3.79	2.70	3.36	3.25	3.04	2.59	4.76	2.95	1.59	
July ...	4.40	2.48	6.60	5.55	1.03	6.34	4.97	3.42	3.36	6.87	
August ...	5.07	4.75	5.20	6.54	1.20	10.95	5.33	6.08	.41	4.82	
September ...	2.17	3.65	3.70	5.94	2.80	3.67	5.25	4.78	.35	2.97	
October ...	1.33	5.32	2.54	8.23	2.64	2.82	6.09	4.81	4.71	4.11	
November ...	8.24	2.45	4.79	6.26	2.20	1.87	2.57	1.96	5.00	7.79	
December ...	7.61	3.99	1.85	6.69	5.49	4.53	5.11	4.61	10.73	4.73	
TOTALS ...	47.01	41.29	40.40	56.14	32.06	47.23	45.45	45.05	39.25	46.41	
	D	D	D	D	D	D	D	D	D	D	

1951 wall 4 1/2' high at 70' S.

1956 np low.

1960 np low.

9775

Annual Average 43.55 in. based on 31 yrs. obs. within 1924-57. 5 in. low. Period of average 1916-50. Ref. S. - Rejected

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SD(34)941150

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge.	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Littleborough	1 m.	N.	Littleborough	1 m.	N.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	20-22, 24-30	✓	✓	
	—	D 25-30	✓	✓	