

RAINFALL AT ~~Over Darwen~~ Oddlesden

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer W.B. Bryan Esq. C.E.

J. B. McCallum Esq. C.R.

Table 261

Diameter			8								
Height			4.-								
Altitude			680								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.68	8.10	6.54	3.29	8.09	3.19	2.75	2.95			
February	3.39	4.66	4.31	5.56	7.95	1.95	1.35	3.10			
March	5.24	1.67	4.44	4.41	3.76	2.36	3.36	3.88			
April	6.10	2.14	1.91	2.32	3.33	2.33	2.45	2.74			
May	2.92	1.22	2.29	2.41	3.98	2.78	1.47	4.17			
June	7.64	4.53	1.40	3.35	2.26	.91	2.12	1.23			
July	8.30	4.50	5.16	2.17	5.31	2.09	8.15	3.78			
August	6.04	4.54	2.26	2.56	2.50	2.54	5.11	7.13			
September	2.74	6.90	3.64	7.08	5.03	6.51	1.66	5.46			
October	4.44	6.51	3.64	7.50	6.35	2.43	3.07	4.63			
November	8.73	5.89	2.36	4.37	4.70	2.70	7.61	3.26			
December	4.76	5.48	7.67	3.33	8.11	3.71	4.31	5.01			
TOTALS	63.98	56.14	45.59	48.35	54.43	33.50	43.41	47.34			

RAINFALL AT Over Darwen Hodder Reservoir

Lat.

Long.

County of

Lancashire

Rain Gauge, by

Observer

J. T. Mc Callum Esq. C.8

G. W. Lund Esq. C.8 W. Stubbs Esq. C.8

Ribble - 61

Diameter	8										
Height	40										
Altitude	690										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.71	4.02	4.80	1.79	5.31	6.25	3.03	1.30	3.96	8.98	
February	1.01	.65	3.48	7.30	7.52	1.16	3.10	4.27	4.42	3.01	
March	5.02	2.26	1.25	2.17	5.30	9.95	7.81	5.68	3.73	4.01	
April	1.51	3.29	1.76	.38	1.63	3.68	2.62	4.47	2.87	5.63	
May	3.12	4.10	4.56	2.11	3.15	.72	.89	3.04	4.59	4.65	
June	4.54	2.12	4.61	2.89	3.48	3.22	5.09	3.91	4.80	1.68	
July	3.75	4.54	3.14	4.40	6.74	9.33	3.04	2.60	1.09	4.16	
August	6.67	11.44	6.64	3.76	10.05	6.84	4.09	8.31	7.46	2.40	
September	3.95	4.13	5.57	6.34	.88	2.11	10.53	6.50	1.29	12.73	
October	4.93	6.80	5.76	5.91	8.32	6.77	7.67	3.45	5.85	5.27	
November	11.19	5.99	3.60	5.17	8.84	5.53	1.76	6.23	7.12	4.91	
December	.57	10.90	3.80	6.56	10.14	7.08	7.17	7.66	7.09	6.07	
TOTALS ..	53.97	60.24	57.04	48.97	48.80	71.97	62.64	56.80	57.42	54.27	63.50

1891 Correction sent 17-XI-92

RAINFALL AT Over Darwen Toddlesden Res.

Lat.

Len.

County of Lancashire

No 2 Rain Gauge by
Ribble & Co. 1

Observer

G. M. Lynd Esq.
W. Ribble Esq. L.R.

Diameter							8			
Height							1.0			
Altitude							675			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January							2.97	1.25	4.35	8.63
February							3.01	4.14	4.39	2.80
March							7.71	5.63	3.71	3.50
April							2.51	4.28	2.85	5.20
May							4.72	.86	3.00	3.12
June							2.95	4.96	3.88	4.78
July							8.48	2.98	2.34	1.09
August							6.11	4.04	8.21	7.46
September							2.05	10.41	6.22	1.29
October							6.36	7.55	3.41	5.83
November							5.31	1.73	6.18	7.12
December							6.97	7.18	7.60	7.09
TOTALS							55.91	56.14	53.08	56.26

Rejected from Survey: 3° too low.

RAINFALL AT Over Darwen Hoddlesdon No 1
 Lat. Lon. County of Lancashire South
 Rain Gauge, by Observer W. Strubb Esq C.E.

Ribble	Diameter ..	8									
	Height	40									
	Altitude ..	680									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.93	3.65	5.13	5.23	5.49	2.51	7.20	2.02	4.12	3.11	4.630
February ..	4.33	2.76	2.43	5.41	5.44	3.13	4.91	2.42	4.51	3.05	3.830
March40	7.34	3.79	7.02	3.20	4.17	4.08	4.38	4.12	3.47	4.197
April	3.24	3.01	3.11	2.79	3.99	4.25	2.25	2.50	2.73	4.34	3.221
May	3.01	1.41	3.20	3.66	2.89	.69	4.46	4.65	3.47	2.97	3.041
June	3.46	2.79	1.53	1.53	1.71	3.96	1.31	9.35	2.24	3.60	3.138
July	2.50	3.02	4.21	4.56	1.73	2.89	2.49	3.04	5.10	7.54	3.708
August	6.69	2.89	2.92	6.03	4.80	5.15	4.51	5.33	4.47	4.21	4.700
September ..	2.55	1.38	2.40	5.97	1.64	3.89	1.74	1.41	4.95	3.09	2.852
October	6.91	4.36	5.12	11.12	3.56	4.55	7.90	4.56	2.28	8.10	5.846
November ..	5.76	6.96	3.18	3.93	4.62	6.33	5.07	3.42	4.15	1.99	4.541
December ..	6.74	5.87	5.36	4.18	4.14	1.21	5.14	5.80	3.36	7.32	4.912
TOTALS ..	53.52	45.44	42.38	61.43	43.21	42.23	51.06	48.88	45.50	52.69	48.630

Rejected from Survey: 3° too low

H.W.S.

RAINFALL AT Over Darwen Stoddlesden N° 2
 Lat. Lon. County of Lancashire South
 Rain Gauge, by Observer W. Shatto Eg. Cl.

Ribble	Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
	Height ..											
	Altitude ..											
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909		
January ..					5.46	2.44	7.14	2.01	4.18	3.09		
February ..					5.35	3.06	4.98	2.44	4.57	3.16		
March ..					3.19	4.14	4.06	4.37	4.10	3.57		
April ..					3.96	4.33	2.27	2.41	2.78	4.32		
May ..					2.89	.73	4.50	4.65	3.48	2.97		
June ..					1.72	4.04	1.28	9.35	2.27	3.54		
July ..					1.72	2.89	2.43	3.03	5.15	7.50		
August ..					4.71	5.17	4.53	5.33	4.58	4.25		
September ..					1.62	3.37	1.72	1.41	4.97	3.11		
October ..					3.50	4.41	7.94	4.65	2.29	8.11		
November ..					4.48	6.30	5.11	3.41	4.16	1.99		
December ..					4.13	1.21	5.17	5.84	3.42	7.30		
TOTALS ..					42.73	42.09	51.13	48.90	45.95	52.91		

RAINFALL at Darwen Hoddlesdon N° 1

County of Central Lancashire

Observer W Stubbs Esq C.E.

River Basin Ribble + c 1

J. T. Sheld Esq C.E.

A. Y. Gossman Esq C.E. 1918

Rain Gauge, by _____

Diameter ...	8											
Height	4 0										1.6	
Altitude ...	680											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals.
January ...	5.98	2.34	3.98	5.35	3.73	7.14	4.40	3.49	4.41	5.83		18.13
February ...	5.11	5.75	2.35	2.13	3.94	7.64	4.76	.88	6.12	1.22		12.98
March	1.21	2.29	7.91	6.45	5.59	1.93	1.39	2.28	1.80	4.59		10.26
April	4.95	3.41	1.01	6.91	2.00	2.57	4.27	2.81	1.20	2.76		11.04
May	4.39	2.74	2.59	4.24	2.35	1.44	2.20	1.25	3.05	1.69		8.19
June.....	3.74	4.78	6.84	3.49	2.07	1.76	3.32	3.33	1.79	1.45		9.89
July	5.39	.47	5.26	1.72	4.88	3.96	3.09	1.97	3.54	2.24		10.84
August.....	7.27	4.17	8.40	2.68	3.78	4.53	2.66	7.67	3.29	3.95		17.57
September ..	.73	4.53	2.46	2.07	5.62	.86	3.38	2.53	10.95	2.66		19.52
October ...	4.20	4.13	6.31	2.32	2.53	1.75	9.24	10.64	4.24	2.41		26.53
November ..	6.65	6.02	4.23	6.71	6.81	2.25	3.60	6.02	3.02	3.19		15.83
December ...	5.60	9.23	5.58	3.93	7.70	8.03	3.19	3.28	8.46	7.13		22.66
TOTALS ...	55.22	48.86	56.92	48.00	51.00	43.86	45.50	46.15	51.87	39.12		722.66

Rejected from Survey : 3° too low.

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

10

RAINFALL at Darwen Hoddesden No 2

County of Central Lancashire

Observer W Stubbs Esq, C.E.

River Basin Ribble + C

3 - 2 8

J.T. Threlkeld & Co

A. Y. Goodmans Leg. L.E. 1918.

Rain Gauge, by.

Diameter ...	8										
Height	10										
Altitude ...	675										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	6.01	2.35	3.98	5.19	3.61	7.23	4.28	3.49	4.67	5.96	
February	5.14	5.88	2.35	2.15	4.06	7.76	4.80	.98	6.38	1.26	
March	1.22	2.41	7.79	6.42	5.83	1.96	1.43	2.34	1.90	4.74	
April	5.01	3.89	.94	6.67	2.07	2.60	4.34	2.74	1.27	2.71	
May	4.40	2.75	2.45	4.13	2.58	1.47	2.30	1.54	3.00	1.70	
June	3.79	4.70	6.65	3.43	2.12	1.92	3.26	3.43	1.94	1.44	
July	5.44	.47	5.28	1.67	5.07	4.03	3.16	2.05	3.53	2.28	
August	7.31	4.08	8.25	2.55	3.95	4.58	2.71	7.84	3.37	4.15	
September72	4.47	2.40	1.98	6.00	.94	3.40	2.75	11.36	2.73	
October	4.14	4.04	6.19	2.36	2.62	1.77	9.36	11.02	4.41	2.48	
November	6.54	5.07	4.23	6.98	6.91	2.20	3.64	6.30	3.02	3.14	
December	5.59	9.21	5.40	4.05	7.84	8.23	3.23	3.40	8.72	7.30	
TOTALS ...	55.31	48.82	55.91	47.58	52.64	44.59	46.00	47.88	53.57	39.89	

RAINFALL at Darwen Hoddlesden No. 1

County of C. Lancashire)

Observer A. J. Goosman Esq G.E.

River Basin Ribble + c 1

H. H. Webb, Esq., & T. (126),

Rain Gauge, by _____

Boro's Water Eng'g Blackburn

3° too low) This note should apply to Middlebury Res. H. 2. J. S. G.
11-2-46.

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

Reference No.

14-2-46.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1930			Darwen	1½ mi W	Hoddlesden	270 yds NE	

RAINFALL at Darwen Hoddlesden No. 2

County of C. Lancashire Observer A. L. Goosman Esq C.B.

River Basin Ribble & c. 1

Rain Gauge, by _____

Diameter ...	9									MEANS.
Height	10									
Altitude ...	675									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	4.49	6.20	3.95							
February ...	3.07	3.0	5.31							
March	4.64	3.20	3.51							
April.....	5.53	1.97	3.14							
May	5.30	2.79	2.03							
June	3.17	1.39	3.22							
July	6.13	1.85	5.26							
August	2.38	6.20	6.88							
September...	2.70	1.91	4.76							
October.....	1.30	2.93	1.12							
November...	1.92	2.91	4.11							
December...	2.73	7.69	6.56							
TOTALS...	43.36	38.34	49.83							

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

RAINFALL at Darwen (Hoddlesden) No. 1

County of Central Lancashire

Observer H. M. Webb, Esq., C.E.

River Basin Ribble &c - 1

W. Pickstone Esq., C.E.

Type of Gauge M.O. Standard 1940

G. McKaig from (1929)

49.1 47

Annual Average 48.6 in. based on 11 years obs. un-weighted. Period of average 1881-1915

Ref. Prog. 255

660553/26.

Diameter	8.												
Height	1.6												
Altitude	680.												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means		
January	7.00	6.59	4.28	4.72	3.22	5.90	4.77	6.57	5.45	2.17		Totals	50.67
February	6.86	2.25	4.30	5.83	7.65	3.40	6.47	1.93	5.22	2.60			38.71
March	1.54	3.63	3.50	3.39	1.55	3.81	2.12	1.96	2.64	3.70			26.84
April	3.66	4.50	2.31	3.08	4.30	1.27	4.65	.97	2.89	3.15			30.78
May	2.68	4.70	1.97	4.95	1.36	.88	2.01	4.74	2.13	.90			26.52
June	5.60	1.28	2.55	2.81	3.94	3.99	2.47	5.38	3.87	1.13			32.97
July	8.68	4.50	3.46	2.17	2.33	4.74	2.06	4.84	8.36	6.05			44.19
August	7.41	1.39	3.71	5.32	2.03	2.99	2.20	3.58	3.23	2.84			35.70
September	4.33	7.26	1.15	4.53	9.03	4.75	1.97	2.47	1.63	5.24			42.36
October	3.50	8.57	5.11	7.74	10.53	6.04	2.45	11.98	2.48	5.62			66.02
November	9.89	4.03	2.95	2.51	6.08	7.09	2.42	8.13	8.62	8.27			59.99
December	2.76	3.09	.96	7.72	4.54	6.66	3.27	5.80	3.71	5.66			44.17
TOTALS	59.41	49.94	36.25	49.47	56.56	51.52	37.86	58.55	50.23	44.33			496.92
	D	D	D	D	D	D	D	D	D	D			1926

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	Direction
1931	.		Darwen	1½ m	W	Hoddlesden	270 yds.	NE.

Station No. 2944

RAINFALL at Darwen (Hoddlesden) No. 1

41

County of Central Lancashire Observer G. M^c Kay, Esq., C.E.

River Basin Ribble & L. - 1

Type of Gauge Snowdon

Annual Average 49.1 in. based on 47 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 662553/16

Diameter	8"		575	953							
Height	1' 6"				1						
Altitude	680			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.54	6.26	6.37	6.84	4.73	4.68	4.49	11.56	4.02	4.72	Totals 55.21
February	7.04	1.32	3.28	2.87	5.31	6.38	7.73	4.23	4.14	6.55	41.85
March	3.83	3.90	1.42	.91	2.08	1.21	6.95	3.31	2.28	2.94	28.83
April	1.81	2.72	3.34	2.84	2.35	1.56	5.64	2.82	5.21	3.64	31.93
May	3.29	3.41	3.74	3.89	3.76	2.31	3.60	2.55	4.16	3.06	33.77
June	1.41	1.27	4.00	3.77	5.88	3.67	4.06	8.18	1.54	2.72	35.50
July	3.10	7.17	3.87	5.04	3.24	4.50	4.10	3.18	2.25	5.61	42.06
August	6.64	6.34	7.12	4.17	3.37	9.26	2.24	5.46	3.22	8.35	54.20
September	1.68	3.76	5.44	6.56	4.27	6.30	5.12	3.59	2.50	9.81	49.03
October	5.65	8.72	4.33	5.87	6.96	1.03	1.44	3.65	6.10	4.87	42.62
November	3.32	1.50	4.66	8.02	89	8.32	6.98	3.46	8.00	7.96	53.11
December	3.36	5.25	3.05	5.41	3.39	5.99	4.87	6.30	4.58	4.04	49.24
TOTALS	46.70	51.62	50.62	56.19	46.23	55.21	48.22	58.29	51.00	64.27	523.35 49.46

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			Darwen	1/2 m.	W.	Hoddlesden	270 yds. N.W.

RAINFALL at Darwen (Hoddlesden) ⁸ 51

County of Central Lancashire

Station No. 2944

River Basin Ribble &c.

Observer G. McStay Esq., C.F.

Type of Gauge. Snowdon

Authority Lancashire Water Board

Fylde Water Board (1/4 in.)

Annual Average 49.1 in. based on 47 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660553/26
E 70721730

Diameter ...	8"		675	953								
Height ...	1' 6"	14"			1	1' 6"						
Altitude ...	680'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	5.94	6.65	2.31	5.24	4.64	6.38	5.21	5.40	4.89	7.10	53.79	
February ...	4.72	1.80	2.53	4.66	3.42	2.16	5.30	7.29	.84	7.55	40.27	
March ...	5.81	2.72	2.72	3.32	3.04	2.13	3.89	1.55	3.15	2.04	30.37	
April ...	3.60	4.35	4.89	1.17	4.03	3.11	.51	1.14	4.98	3.62	31.40	
May ...	2.14	3.28	3.33	2.71	4.96	2.25	2.37	5.84	1.21	2.72	30.81	
June ...	1.56	4.44	3.64	3.66	4.24	2.48	2.13	5.53	5.14	2.29	35.11	
July ...	3.90	3.03	5.63	7.27	1.28	6.83	9.63	4.29	5.70	11.32	58.88	
August ...	5.45	5.92	6.12	8.34	1.36	6.56	8.38	6.37	.83	7.46	67.09	
September ...	3.85	5.56	5.64	6.92	5.33	3.81	9.62	6.45	.48	3.68	51.40	
October ...	1.37	5.68	2.72	9.82	3.94	3.13	8.85	6.79	6.82	6.15	55.47	
November ...	10.15	3.17	6.64	9.32	3.28	2.04	2.94	2.29	8.66	10.68	59.17	
December ...	12.26	5.47	2.29	8.68	7.80	7.48	7.23	5.87	12.98	6.55	76.61	
TOTALS ...	61.05	52.27	48.46	71.11	47.35	58.42	66.06	58.81	55.68	71.16	590.37	
	D	D	D	D	D	D	D	D	D	D		

Ins. 8.10.53. G. sound but rim distorted & face missing. To be repaired. Site very open to north-east.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD 718224

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1957			Darwen	1/2 mi. W	Hoddlesden	2 miles NW

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

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