

RAINFALL AT Ox Barren Gaddenden Rd

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer W B Bryan Esq C.E.

J. B. M. Callum Esq C.E.

Ribble 761

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	5.58	9.5	1.95	1.35	3.10	
March			5.24	1.67	4.41	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	7.18	
September ...			2.74	6.90	3.64	7.08	5.03	6.51	1.65	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	4.76	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 Hoddenden Reservoir

Lat. _____

Lon. _____

 County of Lancashire

Rain Gauge, by _____

Observer

J. P. Mc Callum Esq. C.E.
G. W. Lund Esq. C.E. W. Stubbins Esq. C.E.
Ribble - 661

Diameter	8										
Height	4 0										
Altitude	680										
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	8.95	
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	7.95	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	2.88	3.48	3.22	5.09	3.91	4.80	1.68	
July	3.75	4.54	3.14	4.43	6.74	9.33	3.04	2.60	1.09	4.16	
August	6.67	11.44	6.64	3.76	10.05 ²	6.84	4.09	8.31	7.46	2.40	
September....	3.95	4.13	5.57	6.34	.83	2.11	10.53	6.50	1.29	12.73	
October	4.93	4.40 6.80	5.76	5.91	8.32 ²	6.77	7.67	3.45	5.85	5.27	
November....	11.19	5.99	3.60	5.17	8.84 ²	5.53	1.76	6.23	7.12	4.91	
December ....	.57	10.90	3.80	6.56	10.14 ²	7.08	7.17	7.66	7.09	6.07	
TOTALS . . .	53.97	57.84 60.24	48.97	48.80	71.31	62.64	56.80	57.42	54.27	63.50	

1891 Correction sent 17-XI-92

RAINFALL AT *Over Darwen Hoddlesden Res.*

Lat. _____

Lon. _____

County of *Lancashire*

No 2 Rain Gauge, by _____

Observer _____

E. N. Lind Esq.
W. Lubbo Esq. Cl.

Ribble & Co.

Diameter						8					
Height						1 - 0					
Altitude						675					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	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						<i>#</i> 72	.86	3.00	3.12	4.17	
June						2.95	4.96	3.88	4.78	1.65	
July						8.48	2.98	2.34	1.09	3.80	
August						6.11	4.04	8.21	7.46	2.28	
September....						2.05	10.41	6.22	1.29	10.03	
October						6.36	7.55	3.41	5.83	4.80	
November						5.31	1.73	6.18	7.12	3.97	
December						6.97	7.18	7.60	7.09	5.43	
TOTALS							55.91	56.14	53.08	56.26	

Rejected from Survey: 3° too low.

RAINFALL AT *Over Darwen Huddlesden No 1*
Central
 Lat. Lon. County of *Lancashire South*
 Rain Gauge, by Observer *W. Stubbs Esq. Cl.*

Ribble

Diameter ..	8										
Height	4 0										
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	4.639
February ..	4.33	2.76	2.43	5.41	5.44	3.13	4.91	2.42	4.51	3.05	3.839
March ....	.40	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	3.50	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	3.39	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	48.634

Rejected from Survey. 3' too low

Hills

RAINFALL AT *Green Darwen Huddlesden No 2*

Lat.

Lon.

Central

County of *Lancashire South*

Rain Gauge, by

Observer. *W. H. E. G. 02*

Ribble

Diameter ..											
Height ...											
Altitude ..											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
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 Darwin Huddleston N. 1County of Central LancashireObserver W. Stubbs Esq. C.E.River Basin Ribble + C 1J. T. Shield Esq. C.E.
A. Y. Gosseman 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	4.89		10.06
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	5.02	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		22.06
TOTALS ...	55.22	48.86	56.92	48.00	51.00	43.86	45.50	46.15	57.87	39.12		182.04

Rejected from Survey: 3" too Low.

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

RAINFALL at Darwin Huddlesden No 2County of Central Lancashire Observer W. Stubbins, C.E.River Basin Pibble + C 1J.T. Stubbins, C.E. 1915
A.Y. Groseman by L.B. 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	3.39	.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	1.32	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	
September ..	.72	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	

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

RAINFALL at Darwen Huddlesden No. 1County of LancashireObserver A. J. Looseman Esq. C.E.River Basin Ribble & c 1H. M. Webb, Esq. C.E., (126),Rain Gauge, by Bore & Water Eng. Beckburn

Diameter ...	3												
Height	1	6											
Altitude ...	680												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		
January ...	4.47	6.19	3.98	5.61	3.77	4.00	6.38	5.93	13.56	2.66	7.74	Totals.	
February ...	3.04	3.1	5.25	7.13	1.09	7.93	4.78	2.67	6.28	1.17	.44	64.29	
March	4.56	3.12	3.46	2.01	1.56	2.37	2.53	5.37	4.32	1.88	3.44	34.62	
April	5.42	1.89	3.14	3.72	2.17	3.37	2.50	4.43	1.43	1.26	3.04	32.37	
May	5.25	2.86	2.07	4.37	6.05	4.65	3.61	1.71	1.62	3.72	2.15	38.06	
June	3.08	3.39	3.27	1.48	3.25	.14	3.44	4.85	7.15	2.14	2.92	32.41	
July	6.06	1.72	5.33	5.37	5.37	2.29	2.90	5.01	2.76	4.11	7.47	48.38	
August	2.40	6.35	6.91	7.08	7.74	4.07	4.33	6.98	8.32	5.65	9.28	69.11	
September...	2.65	1.96	4.78	6.02	5.85	4.50	4.77	8.09	1.43	1.66	3.72	45.43	
October	1.30	2.72	1.15	6.73	5.43	6.55	4.87	5.42	6.92	8.84	7.18	57.11	
November...	1.89	3.06	4.15	7.42	3.02	3.93	8.94	5.68	8.21	10.24	7.65	64.19	
December...	2.62	7.93	6.53	5.61	7.37	3.32	2.10	1.42	3.66	10.70	5.39	56.65	
TOTALS...	42.74	38.50	50.02	62.55	52.67	47.12	51.15	57.56	65.95	54.03	60.42	582.71	
						D	D	D	D	D	D	D	

(Revised from Survey)

3" too Low

This note should apply to
Huddlesden, No. 1.
J.S.G.
12.2.26.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
1930			Darwen	1 1/2 mi	W	Huddlesden	270 yds	NE

RAINFALL at Darwen Huddlesden No. 2County of CheshireObserver A. T. Gosseman Esq. C.E.River Basin Ribble & C. 1

Rain Gauge, by _____

Diameter ...	8										
Height	1 0										
Altitude ...	675										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.49	6.20	3.95								
February ...	3.07	3.30	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	3.39	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	6.52								
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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Darwen (Hoddlesden) No. 1County of Central LancashireObserver H. M. Webb, Esq., C.E.River Basin Ribble & C - 1W. Pielstone Esq. C.E.Type of Gauge M.O. Snowden 1940G. W. Kaefer from 1939Annual Average 49.1 in. based on 47 years obs. un-weighted. Period of average 1881-1915 Ref. 706 555660553/26.

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	5.53	7.65	3.40	6.47	1.93	5.22	2.60		38.71
March	5.54	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	4.90	1.97	4.95	1.36	.88	2.01	4.74	2.13	.90		26.52
June	5.60	1.23	2.55	2.81	3.94	3.99	2.47	5.38	3.87	1.13		32.97
July	5.68	4.50	3.46	2.17	2.33	4.74	2.06	4.84	8.31	6.05		44.11
August	7.41	1.39	3.71	5.32	2.03	2.99	3.20	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	47.33		496.92
	D	D	D	D	D	D	D	D	D	D		496.92

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

Station No. 2944

RAINFALL at Darwen (Huddlesden) N°1 41County of Central Lancashire Observer G. M. Kay Esq., C.E.River Basin Ribble & C. - 1Type of Gauge SnowdonAnnual Average 49.1 in. based on 47 years obs. un-weighted. Period of average 1881-1925 Ref. SFile No. 662553/26

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	.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		22.83
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	.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	6.69	6.34	7.12	4.17	3.37	9.26	.24	5.46	3.22	8.35		54.20
September	1.68	3.76	5.44	6.56	4.27	6.30	5.12	2.59	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		48.62
November	3.32	1.50	4.66	8.02	8.9	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	7.58	4.04		49.24
TOTALS	41.70	51.62	50.62	56.19	48.23	55.21	48.22	58.29	51.00	64.27		523.35

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			Darwen	1 1/2 m.	N.	Huddlesden	270 y.	N.W.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Darwin (Huddesden) Aer. Station No. 2944 51
 County of Central Lancashire Observer L. McLean Esq. C.F.
 River Basin Ribble & C. Fylde Water Board (1/4/60)
 Type of Gauge Snowdon

Annual Average 49.1 in. based on 47 years obs. $\frac{1}{n}$ -weighted. Period of average 1881-1915 Ref. S

File No. 660553/26
52021136

Diameter ...	8"			6.75	9.53						
Height ...	1' 6"		1' 4"		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	4.67	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	8.4	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 ...	5.75	5.92	6.12	8.34	1.36	16.56	8.38	6.37	.83	7.46	67.09
September ...	3.85	5.56	5.64	6.92	5.33	3.87	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 & fude missing. To be repaired. Site very open to north-east.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD718224

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Darwin	1/2 m. W	Huddesden	270 yds. N.W

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	-	D25-30	✓	✓	