

RAINFALL AT Over Darwen Lancashire

Lat. Lon. County of Lancashire
 Rain Gauge, by Observer J. Duxbury Esq.

Ribble + 6.1

Diameter										8	
Height										20	
Altitude											
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									2.56	2.21	2.74
February									2.36	1.33	3.29
March									2.39	4.23	3.46
April									2.26	2.71	2.87
May									2.63	1.51	4.28
June									1.02	3.29	.97
July									1.98	10.31	4.31
August									2.26	6.47	8.12
September.....									8.18	2.27	5.21
October									2.68	3.01	4.75
November....									3.06	8.86	3.01
December									3.35	4.32	5.53
TOTALS									34.73	50.52	48.54

RAINFALL AT Over Darwen Camsdale Reservoir

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer

J. Drury Esq

W Stubb Esq CR

R. Smith Surveyor

Ribble & 6.1

Diameter	8											MEANS.
Height	2	0	1.8									
Altitude			705									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899		
January	7.62	3.71	3.86	1.44	2.86	2.22	3.48	2.23	3.96	5.50	3.688	
February	1.11	.17	3.14	6.66	6.48	.07	1.39	4.11	3.62	1.89	2.854	
March	5.37	2.50	1.48	2.62	4.58	5.59	7.89	6.51	2.87	2.05	4.146	
April	1.74	2.84	1.79	.50	2.18	3.92	1.84	4.10	1.83	4.12	2.486	
May	3.13	4.45	5.18	2.60	4.39	1.00	1.18	4.45	3.58	3.09	3.205	
June	4.92	2.67	4.54	2.83	3.98	3.15	2.24	5.59	2.91	1.60	3.442	
July	5.46	4.54	3.11	3.88	6.08	6.59	4.01	2.15	1.15	3.33	4.020	
August	7.34	12.37	5.84	3.65	6.77	4.93	3.62	6.06	4.69	1.57	5.684	
September	3.58	4.33	4.60	6.52	.87	1.63	7.89	5.60	2.08	6.12	4.322	
October	6.27	6.99	5.85	6.44	4.64	4.37	6.05	3.57	3.89	3.35	5.142	
November	12.02	6.21	4.98	3.79	3.58	3.86	1.82	3.71	2.32	2.37	11.166	
December26	9.57	2.24	6.53	5.25	6.02	6.53	7.86	4.14	2.61	5.101	
TOTALS	58.82	60.35	46.61	47.46	51.66	43.35	47.94	55.94	36.94	37.60	48.667	

RAINFALL AT Over Darwen, Earsdale Reservoir
 Lat. 53° 45' N. Long. 2° 45' W. Altitude 705 ft. County of Lancashire South
 Snowdon Rain Gauge, by R. W. S. Saville Esq.

Ribble 1.

Diameter ..	8										
Height	1.8	1	0	1.8							
Altitude ..	705 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.36	2.34	4.09	4.27	4.54	2.17	6.81	2.17	3.99	2.57	3.931
February ..	2.91	1.12	1.77	5.45	3.70	2.43	3.67	2.10	3.67	2.46	2.928
March50	2.81	2.85	5.08	2.81	4.12	4.62	4.04	3.32	2.97	3.312
April.....	2.92	2.67	2.89	1.76	4.24	3.07	2.07	2.50	2.20	4.22	2.854
May	2.65	.95	2.75	4.31	2.25	1.33	4.58	4.72	3.31	3.31	3.016
June	3.07	2.08	1.28	1.68	2.12	2.87	2.02	9.49	2.16	3.67	3.044
July	2.63	2.26	3.54	5.41	.95	3.23	3.00	4.10	5.65	6.86	3.763
August	5.20	2.67	2.93	6.12	5.08	4.56	4.54	5.64	4.56	3.78	4.508
September..	2.82	1.25	2.34	5.85	1.29	3.06	1.62	1.44	5.18	3.32	2.817
October....	6.42	3.98	4.47	9.90	3.74	4.25	8.43	3.88	2.31	7.17	5.455
November ..	4.75	5.90	3.62	3.78	3.74	5.78	4.80	3.91	4.07	2.84	4.269
December ..	5.16	4.46	4.12	3.10	3.46	1.88	4.97	5.29	3.08	6.60	4.212
TOTALS ..	45.39	32.49	36.65	56.71	37.92	38.75	51.13	49.28	43.50	49.27	44.100 L.S.W.

1907. St. Cuthbert's Church 1 mile W.
 Darwen Station $1\frac{1}{2}$ " W.
 1909. Holy Trinity Chapel 2 " W.

RAINFALL at Darwen Earnsdale Rossway

County of Central Lancashire
River Basin Ribble + C

Observer R.W.S. Saretsky CE
Emaudenback

Rain Gauge, by _____

1916 First National Bank

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction
5° 53.41.36	2° 36'	Danvers	1 1/2 m	S.W.	St. George	1 m	S.W.	

RAINFALL at Darwen Ewoodale Reservoir

County of C. Lancashire

Observer E. Mansdale Esq. C.E.

River Basin Ribble & C. I.

Boro Engt. Darwen

(1925) Glaskin Rain Gauge, by

Av 1838-915 474

Diameter ...	8								8		
Height	1	8							1.0		
Altitude ...	705										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M. 1920
January ...	4.46	7.97	3.69	5.42	3.89	3.89	6.60	5.96	13.93	2.23	8.18
February ...	3.87	3.37	5.93	8.33	1.16	8.62	5.77	2.60	5.63	1.55	.46
March	4.93	3.93	3.01	2.17	1.66	2.31	2.35	6.00	4.51	1.89	3.50
April	6.36	2.74	2.53	3.96	2.02	3.56	1.97	3.69	1.70	1.35	3.00
May	7.71	3.26	2.40	4.54	6.02	5.29	3.79	1.78	1.33	3.93	2.34
June	3.55	3.86	4.04	1.75	3.81	3.31	3.16	5.31	4.28	2.19	3.12
July	6.44	2.39	5.87	6.09	5.72	2.86	3.94	5.24	3.39	4.54	6.60
August	3.11	7.31	5.64	7.01	8.09	5.16	4.28	7.36	7.86	6.65	10.28
September...	3.26	2.23	3.19	5.94	5.45	5.46	5.36	8.04	1.68	2.38	2.76
October	1.94	3.32	.88	7.84	5.11	7.00	4.31	5.47	7.39	9.12	7.12
November...	2.54	3.32	4.42	7.16	3.24	4.22	8.55	5.76	8.33	10.96	3.02
December...	3.03	7.29	5.85	5.49	6.80	3.33	2.07	1.6	3.66	10.61	6.31
TOTALS...	51.00	44.99	49.75	65.90	52.97	52.02	52.15	58.84	66.69	57.40	62.69

1920 Gauge in field on Reservoir Bank.

1925. Fence Wall 3 ft. high 12yds. S.E.

Totals:

66.22

44.30

36.26

33.18

42.34

35.08

35.18

72.75

48.75

59.50

66.52

56.07

42.20

42.66

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	53° 41' 30"	2° 30'	Darwen	1/2 mi	S.W.	St. Georges	1 mi SSW

RAINFALL at Darwen (Earndale Reservoir)

County of Central Lancashire

Observer E. Marsden, Esq., C.E.

River Basin. Ribble &c. -1.

Type of Gauge..... Glaisher

Annual Average 47.4 in. based on 43 years obs., un-weighted. Period of average 1881-1915 Ref. ProBass

Diameter	8.	Height	1.0.	Altitude	705	Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.87	6.54	5.64	4.07	2.89	6.05	4.44	4.35	5.93	1.73	4.851	Totals					
February	5.97	4.19	5.08	4.41	7.42	3.46	6.84	1.95	5.10	2.72	39.14						
March	6.69	3.60	4.39	3.43	1.54	3.91	2.62	1.75	2.48	3.52	27.93						
April	3.87	4.00	2.24	3.56	3.96	1.31	4.20	7.4	3.25	3.23	30.36						
May	2.82	4.98	2.35	4.60	1.65	8.6	2.36	4.96	1.91	1.17	27.66						
June	6.69	1.34	2.78	2.42	3.73	4.38	2.29	5.33	4.20	1.06	34.22						
July	4.94	4.89	3.68	2.29	2.41	5.71	2.36	5.29	7.94	5.83	45.34						
August	6.05	1.76	3.77	6.13	2.25	3.16	3.64	3.82	3.81	3.06	37.45						
September	4.45	7.12	1.09	4.80	8.73	4.72	2.18	2.71	1.88	5.35	43.03						
October	3.81	9.33	5.61	7.41	9.61	5.87	2.56	11.00	2.61	5.36	63.17						
November	9.87	4.02	2.73	2.80	5.95	7.39	2.31	7.71	8.71	7.72	59.21						
December	2.95	2.62	7.9	8.18	4.47	5.92	3.17	6.07	3.67	5.65	43.4						
TOTALS	58.98	50.39	38.15	50.10	54.61	52.74	38.97	57.68	51.49	46.40	499.86						
	2	3	2	2	2	2	2	2	2	2	2						

Fence 5' high 36° SE.

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
1981			Darwen	1½ m	E.	Tockholes	1 m	NW

Station No. 2942

RAINFALL at Darwen (Carnsdale Reservoir) died 1943
 County of Central Lancashire Observer E. Marston Esq. C.E.
 River Basin Ribble & L. & I. Barrang Engineer (1944).
 Type of Gauge Glaisher. Borough & Water Engineer 1950

Annual Average 47.4 in. based on 43 years obs. un-weighted. Period of average 1881 - 1915. Ref. S

File No. 814573/27

Diameter	8"		575	430							
Height	1'0"				1						
Altitude	705'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.87	6.33	7.33	6.39	4.36	5.71	5.21	10.43	4.00	4.40	Total 1356.09
February	5.59	1.38	3.50	2.86	6.71	8.23	.37	3.12	3.40	6.33	40.99
March	4.08	3.52	1.48	1.03	1.96	1.18	7.22	2.60	2.69	3.08	28.84
April	1.82	2.92	2.80	2.78	2.68	1.66	4.20	2.59	4.71	3.87	30.03
May	2.99	4.09	3.79	4.72	4.04	1.93	2.89	2.07	4.16	2.32	33.00
June	.65	.90	4.41	3.60	4.99	3.75	3.56	6.39	1.37	2.84	32.46
July	2.91	6.33	3.40	4.89	3.75	4.89	3.95	2.71	3.03	5.55	41.43
August	7.18	6.05	7.95	4.39	2.82	8.82	.27	6.01	3.50	9.87	56.86
September	1.62	4.30	5.60	7.29	3.26	7.93	5.25	3.46	2.51	10.00	51.22
October	5.45	8.77	4.76	6.76	6.87	1.59	1.29	3.42	5.94	5.12	49.97
November	3.52	1.46	4.18	8.43	6.4	8.18	6.53	2.89	7.83	7.81	51.47
December	3.09	4.44	3.19	5.99	4.11	5.73	4.16	5.81	7.08	3.83	47.43
TOTALS	40.44	50.55	52.39	58.63	46.19	59.60	44.90	51.50	50.24	65.02	519.79

941 Fence wall 3' high 12 yrs. S.E.

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
1941			Darwen	1/2 m.	E
					Jockholes
					1 m. N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2942

51

RAINFALL at Garwen (Carnsdale Reservoir)

County of Central Lancashire Observer Borough Water Engineer,

River Basin Ribble & L-1

Type of Gauge Glashur

Annual Average 47.4 in. based on 43 years obs. unweighted. Period of average 1881 - 1915 Ref S
 52.10 " " 35. " 1916 - 1950 P
 File No. 814573/27

Diameter ...	8 ¹ / ₂		575	930								
Height ...	1' 0"				1	15"						
Altitude ...	705'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.73	5.67	100	6.12	2.87	6.50	4.01	4.57	3.20	6.55		
February ...	4.70	1.93		4.56	2.51	1.00	4.27	7.91	.83	4.08		
March ...	6.00	2.94		4.52	2.22	2.01	4.35	1.96	2.62	1.80		
April ...	3.29	4.50		1.35	3.55	3.28	.71	1.71	3.82	3.60		
May ...	2.87	3.20		3.40	4.83	2.06	3.26	5.31	2.13	2.42		
June ...	1.83	4.67		4.14	4.29	2.86	2.41	4.54	3.12	1.93		
July ...	4.16	3.42	6.41	8.33	1.21	5.79	8.13	4.01	5.56	10.63		
August ...	5.74	6.37	5.80	7.43	1.48	14.17	8.24	4.83	.72	5.72		
September ...	4.23	5.86	6.22	6.59	5.29	11.41	9.19	5.47	.48	3.76		
October ...	1.37	6.03	2.92	10.34	3.68	3.28	7.82	5.56	5.74	4.59		
November ...	10.15	3.05	7.18	9.68	3.23	1.68	3.02	1.97	6.43	9.30		
December ...	12.74	5.10	2.50	8.09	7.12	5.67	5.86	4.80	11.61	5.74		
TOTALS ...	62.81	52.74	100	74.55	42.28	52.71	61.27	52.64	46.25	60.12		
	D	N.P. unrecd		D	D	D	D	D	D	D		

1951 fence wall 2 ft high at 12 yds S.E.

1952. n.p. values unreliable (Measured until 2.941) 1953 up recd.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 241670220

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Garwen	1/2 m. E.	Lockholes	1 m. N.W.

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
	✓ D, 13-19	✓ ✓	✓ ✓	✓ ✓	✓ ✓