

RAINFALL AT *Over Darwen Earnshaw*

80

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

Ribble & Co.

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 Earnsdale Reservoir*

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer

J. Dinsbury Esq

Ribble No. 1

W. Stubb's Esq. C.E.

R. W. Smith Smith Esq. C.E.

Diameter	8										
Height	2 0	1 8									
Altitude ....	...	705									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
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	3.52	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	3.443
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	4.466
December ....	.26	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 Earningsdale Reservoir

Lat.

Lon.

County of

Lancashire South

Snowdon Rain Gauge, by

Observer

R. W. S. Sanville 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	5.67	2.10	3.67	2.46	2.928
March ....	.50	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	2.217
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	2.34	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	41.100

1907. St. Guthbert's Church

1 mile W.

Darwen Station

1 1/2 " W.

1909 Holy Trinity Church

2 " W.

RAINFALL at Darwen Earnedale ReservoirCounty of Central LancashireObserver R. V. S. Samuels, C.E.River Basin Ribble + C 1Emmenden, C.E.

Rain Gauge, by _____

Diameter ...	8											
Height	1 8											
Altitude ...	705 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	4.41	1.72	5.13	5.30	3.54	6.95	4.24	2.43	3.07	4.71		Total 16.79 14.65
February ...	4.99	5.85	2.52	2.01	3.98	7.86	3.83	.99	5.87	1.05		11.74
March	1.17	2.49	7.98	6.19	6.16	2.03	2.00	2.64	2.02	5.15		11.81
April	3.69	3.91	.94	6.79	1.86	2.48	4.32	2.03	1.26	2.92		10.53
May	4.39	3.06	2.60	4.19	2.44	1.80	3.09	2.04	2.40	2.02		9.55
June	3.15	4.42	6.50	3.44	2.26	2.13	3.87	2.54	2.57	2.42		11.40
July	6.19	.49	6.74	1.58	5.30	4.07	2.97	2.26	3.72	2.06		11.01
August	7.78	4.38	8.44	2.77	3.67	5.81	3.36	7.90	5.21	4.79		21.26
September ..	.66	4.68	2.64	2.41	4.56	.87	3.48	2.57	13.30	3.07		22.42
October ...	3.71	4.27	5.75	2.37	3.05	2.86	9.26	9.32	4.89	2.80		26.27
November ..	5.91	5.13	3.83	6.44	6.40	1.65	3.31	5.49	3.18	3.45		15.43
December ...	5.69	9.94	4.87	3.83	7.57	9.02	3.40	2.42	9.75	8.63		24.20
TOTALS ...	51.74	50.84	57.99	47.32	50.79	47.03	47.13	42.63	57.24	43.07		190.07 192.16

1916 f in field Reservoir Bank

Date.	Lat. N.	Long. ✓	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51 53.41.30	2.30	Darwen	1 1/2 m	SW	St. Peter's	1 m	SW

RAINFALL at Darwen Carnisdale ReservoirCounty of C. LancashireObserver E. Mansden Esq. C.E.River Basin Pibble & c 1Baro Eng^t Darwen(195) Slashes Rain Gauge, by

Av 1888-915 474

Diameter ...	8								8				
Height	1 8								1.0				
Altitude ...	705												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		
January ...	4.46	7.97	3.69	5.42	3.89	3.89	6.60	5.96	13.93	2.23	8.18	<u>Totals</u> 66.22	
February ...	3.87	3.7	5.93	8.33	1.16	8.63	5.77	2.60	5.63	1.55	.46	44.30	
March	4.93	3.93	3.01	2.17	1.66	2.31	2.35	6.00	4.51	1.89	3.50	36.26	
April	6.36	2.74	2.53	3.96	2.02	3.56	1.97	3.69	1.70	1.35	3.00	33.18	
May	7.71	3.26	2.40	4.54	6.02	5.29	3.79	1.78	1.33	3.93	2.34	42.39	
June	3.35	.86	4.04	1.75	3.81	.31	3.16	5.31	7.28	2.19	3.12	35.18	
July	6.44	2.39	5.87	6.09	5.72	2.86	3.94	5.24	3.39	4.54	6.60	53.08	
August	3.11	7.31	5.64	7.01	8.09	5.16	4.28	7.36	7.86	6.65	10.28	72.75	
September...	3.26	2.23	5.19	5.94	5.45	5.46	5.36	8.04	1.68	2.38	3.76	48.75	
October	1.94	3.32	.88	7.84	5.11	7.00	4.31	5.47	7.39	9.12	7.12	59.50	
November...	2.54	3.32	4.42	7.16	3.24	4.22	8.55	5.76	8.33	10.96	8.02	66.52	
December...	3.03	7.29	5.85	5.49	6.80	3.33	2.07	1.68	3.66	10.61	6.31	56.07	
TOTALS...	51.00	44.99	49.75	65.90	52.97	52.02	52.15	58.84	66.69	57.40	62.69	614.20	
	D	D	D	D	D	D	D	D	D	D	D	426	

1920 Gauge in field on Reservoir Bank.
 1925. Fence Wall 3ft. high 12yds. S.E.

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
1920	53°41'30"	2°30'	Darwen	1 1/2 mi	SW	St. George's	1 mi	SW

RAINFALL at Darwen (Earnsdale 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 53 years obs. un-weighted. Period of average 1881-1915 Ref. 2255

814573/27.

Diameter	8.											
Height	1.0											
Altitude	705											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	6.87	6.54	3.64	4.07	2.89	6.05	4.44	6.35	5.93	1.73		Totals 48.51
February	5.97	.19	5.08	.41	7.42	3.46	6.84	1.95	5.10	2.72		39.14
March	.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	.74	3.25	3.23		30.36
May	2.82	4.98	2.35	4.60	1.65	.86	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	3.92	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	.79	8.18	4.47	5.92	3.17	6.07	3.67	5.65		43.49
TOTALS	58.98	50.39	38.15	50.10	54.61	52.74	38.97	57.68	51.49	46.40		499.51
	D	D	D	D	D	D	D	D	D	D		926

Fence 8' high 36' 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Darwen	1 1/2 m	E.	Jockholes	1 m	NW

Station No. 2942

RAINFALL at Darwen (Carnsdale Reservoir) 41County of Central Lancashire Observer E. Tranter Esq. C.E. died 1943River Basin Ribble & C. - 1Borough Engineer (1944)Type of Gauge GlaisherBorough & Water Engineer 1950Annual Average 42.4 in. based on 43 years obs. un-weighted. Period of average 1881-1915 Ref SFile No. 814573/27

Diameter	8"				575	930														
Height	1'0"					1														
Altitude	705					41														
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means									
January	1.84	6.33	7.33	6.39	4.36	5.71	5.21	10.43	4.00	4.40										
February	5.59	1.38	3.50	2.36	6.71	8.23	.37	3.12	3.40	6.33										
March	4.08	3.52	1.48	1.03	1.96	1.18	7.22	2.60	2.69	3.08										
April	1.82	2.92	2.80	2.78	2.68	1.66	4.20	2.59	4.71	3.87										
May	2.99	4.09	3.79	4.72	4.04	1.93	2.89	2.07	4.16	2.32										
June	.65	.90	4.41	3.60	4.99	3.75	3.56	6.39	1.37	2.84										
July	2.91	6.33	3.40	4.89	3.75	4.89	3.95	2.71	3.05	5.55										
August	7.18	6.05	7.95	4.39	2.82	8.82	.27	6.01	3.50	9.87										
September	1.62	4.30	5.60	7.29	3.26	7.93	5.25	3.46	2.51	10.00										
October	5.45	8.77	4.76	6.76	6.87	1.59	1.29	3.42	5.94	5.12										
November	3.52	1.46	4.18	8.43	6.4	8.18	6.53	2.89	7.83	7.81										
December	3.09	4.44	3.19	5.99	4.11	5.73	4.16	5.81	7.08	3.83										
TOTALS	40.44	50.55	52.39	58.63	46.19	59.60	44.90	51.50	50.24	65.02										

941 Fence wall 3' high 12 yds. 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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Darwen	1 1/2 m.	E	Yockholes	1 m.	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2942

RAINFALL at *Larwen (Earnsdale Reservoir)*

51

County of *Central Lancashire* Observer *Borough & Water Engineer*River Basin *Ribble & C-1*Type of Gauge *Glaisher*Annual Average *47.4* in. based on *43* years obs. accepted. Period of average *1881-1915* Ref. *S*
52-10 " " *35* " *1916-1950* *1916-1950* *P*File No. *814573/27*

Diameter ...	8"			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	5.55	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	4.41	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.	n.p.	D	D	D	D	D	D	D	

1951 fence wall 3' high at 12 yds S.E.

1952. n.p. values unreliable (Measured until 29.4.1) 1953 n.p. n.p.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference *34/670220*

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			<i>Blackburn</i>	<i>1 1/2 m. E.</i>	<i>Yockholes</i>	<i>1 m. N.W.</i>

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
	✓	✓	✓	✓	
	21, 13-19	✓	✓	✓	