

RAINFALL AT Denshaw Oxhey

Lat.

Lon.

County of York

Rain Gauge, by

Observer G. St. Hill Esq. C.E.

Mersey Upper 4

Diameter											
Height									4 6		
Altitude										1030	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January											2.36
February											1.93
March											2.02
April											3.13 3.18
May95 2.73
June											3.11 .63
July											7.71 4.17
August											4.53 7.65
September.....											1.82 2.92
October											2.28 5.69
November.....											7.74 2.22
December											3.53 2.67
TOTALS											38.17

Reputed from survey, 6' low.

RAINFALL AT Denshaw Ox Hey

Lat.

Long.

County of York W.R.

Rain Gauge, by

Observer G. H. Hill Esq. C.E.

Mersey, Upper 4

Diameter										5		
Height										46		
Altitude	1030											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.14	3.17	2.74	1.33	4.28	2.45	1.90	1.70	3.41	6.73	3.285	
February60	.33	1.64	5.18	6.12	.46	2.01	2.74	3.20	1.74	2.402	
March	3.80	1.56	.50	1.05	4.22	4.14	5.67	4.49	1.65	2.57	2.965	
April	1.46	1.90	1.23	.86	2.24	2.54	1.75	3.64	2.80	3.78	2.220	
May	3.35	3.53	4.91	2.92	2.71	1.22	.75	1.59	3.36	3.81	2.815	
June	3.88	1.67	3.62	2.78	3.55	5.32	3.41	3.81	4.08	1.75	3.387	
July	3.29	3.54	3.48	4.11	3.63	8.80	3.62	1.57	.72	1.69	3.1115	
August	6.40	9.43	4.92	2.77	4.09	4.98	3.00	4.83	6.55	2.16	11.913	
September....	1.80	3.57	4.66	4.00	.42	1.65	7.85	4.85	.81	6.59	3.620	
October.....	3.31	7.23	7.73	3.79	5.60	4.24	5.56	2.49	5.80	4.36	5.011	
November....	5.68	4.20	3.62	3.41	3.04	3.72	1.69	5.47	3.08	1.59	3.550	
December....	.38	8.35	2.01	4.51	4.38	4.64	6.12	5.89	5.18	2.79	11.125	
TOTALS ..	39.09	48.48	41.06	36.71	44.28	44.16	43.33	43.07	40.64	39.56	42.038	

1899 Denshaw Church 1 mile w

Reflected from survey 6' low

RAINFALL AT Denshaw Oct. 1st

Lat.

Lon.

County of York W.R. Central

Ranher

Rain Gauge, by Casartelli

Observer C.J. Battley Esq. CL

Mersey Upper Ht

Snowdon 1907

Diameter ..	8	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height	4.6											
Altitude ..	1030 ft											
Year		1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..	5.91	3.22	3.27	4.48	4.26	2.05	5.40	1.73	3.83	2.57	3.672	
February ..	4.10	1.99	1.23	4.56	3.75	1.73	3.58	2.37	3.17	2.22	2.870	
March	1.09	3.40	2.19	5.60	2.47	4.24	3.73	3.30	3.12	3.38	3.252	
April	2.97	2.96	2.07	2.22	3.17	3.15	1.71	2.85	2.47	4.26	2.783	
May	1.51	1.89	2.99	3.82	4.07	.69	4.08	4.38	2.61	2.82	2.836	
June	6.41	2.11	1.32	1.89	1.12	2.95	1.60	8.19	2.24	2.46	3.029	
July	3.40	3.30	2.86	4.33	1.53	2.43	2.41	3.32	5.72	6.26	3.556	
August	6.18	2.45	3.95	5.64	5.12	5.05	4.05	4.07	4.27	3.54	4.432	
September..	1.81	1.35	2.59	5.96	1.96	3.29	1.60	1.12	4.13	2.84	2.665	
October....	6.12	3.77	5.86	10.00	2.03	3.98	7.90	7.10	1.71	6.57	5.504	
November ..	3.96	7.32	2.07	3.75	3.73	5.62	4.48	3.44	2.35	1.46	3.818	
December ..	5.98	4.86	3.61	2.70	3.76	1.03	3.53	5.25	3.34	7.75	4.181	
TOTALS ..	49.44	38.62	34.01	54.95	36.97	36.21	44.07	47.12	38.96	45.63	42.598	

1900 Denshaw Church 1/2 miles W

House 20 ft high 71 ft

N

5

Denshaw Station 1/2 Miles 81

W

Hub

+ Isolated

Revised from survey 6' low

RAINFALL at Denham & Hey

County of West Yorkshire

Observer C. J. Battley Esq. C.E.

River Basin Upper Mersey 4

Standard Rain Gauge, by Casartelli

Diameter ...	8										
Height	4.6										
Altitude ...	680 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Total 1910-19 Means Totals
January ...	5.29	1.63	3.66	3.57	3.75	6.08	4.13	3.28	3.04	5.55	16.00
February ...	4.40	5.14	2.18	1.87	3.21	3.91	5.19	1.10	6.58	1.29	14.16
March92	2.10	4.88	5.07	5.23	1.69	3.22	2.78	2.32	5.05	13.97
April	3.50	2.92	1.11	4.88	1.79	1.64	2.92	2.16	1.73	2.21	9.04
May	2.77	1.61	3.62	3.01	2.32	1.78	2.64	2.16	2.69	1.98	9.47
June	4.87	3.15	4.62	2.86	3.58	.97	3.42	2.92	1.61	2.14	10.09
July	4.98	.40	4.63	1.81	4.30	5.72	3.04	1.89	4.71	2.61	12.25
August	5.91	2.82	7.35	2.59	3.35	6.16	3.64	8.75	4.02	3.85	20.26
September ..	.24	3.44	1.88	1.96	3.06	.79	2.87	2.77	13.06	2.35	21.05
October ...	3.79	3.34	4.92	3.10	2.78	2.02	8.02	7.87	4.01	3.29	23.47
November ..	4.31	5.41	3.25	5.27	5.50	1.73	3.92	3.96	2.36	3.81	14.05
December ...	4.89	5.98	5.68	2.75	6.92	8.01	3.87	2.27	9.48	7.38	22.50
TOTALS ...	45.87	37.94	47.68	37.74	45.79	40.40	46.68	41.91	53.63	42.09	186.31

1912 Home 20 ft high 57 ft N

+ Inspected

Rejected from survey. 6° low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Delph	1 1/4 m	S	Denham	1 1/2 m	W

RAINFALL at Denshaw (or Hey) NEW G.

County of Yorkshire W.R. Observer G. J. Batley Esq. C.E.

River Basin Upper Mersey - 4

Oldham etc.

Snowdon Rain Gauge, by Casella
(1929) 142.0

NEW GAUGE.

Diameter ...				8								
Height				10								
Altitude ...				1031								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1920-30 Totals
January ...	15.77			4.79	3.93	4.43	5.50	5.23	12.84	2.20	7.03	61.72
February ...	10.27			6.64	1.25	6.82	4.45	1.99	5.84	1.14	1.02	39.42
March	11.00			2.53	1.83	1.89	1.99	6.27	3.20	1.57	3.54	33.82
April.....	10.56			3.85	2.39	3.12	2.26	4.61	1.28	1.63	3.40	33.10
May	12.18			4.71	6.71	4.55	6.09	1.78	1.99	3.97	2.85	44.83
June	6.62			1.38	4.18	1.10	3.88	4.95	7.47	1.69	2.44	32.71
July	18.72			6.37	4.48	3.05	3.57	4.05	2.43	3.02	8.23	53.92
August	16.69			6.14	6.99	5.00	5.36	8.29	6.46	6.66	7.44	69.03
September...	8.29			5.32	6.22	4.15	3.96	7.12	7.70	2.40	4.66	42.82
October.....	6.29	12.8	6.51	7.64	7.72	4.52	5.44	5.82	6.36	7.21		57.51
November...	8.69	3.79	8.17	3.10	3.48	6.12	5.45	7.90	9.88	6.37		59.16
December...	15.78	4.87	4.60	7.18	4.37	2.58	1.54	3.83	8.17	3.98		52.03
TOTALS...	140.86		61.01	55.90	48.68	50.28	56.72	69.76	48.69	58.17		580.07

1923 House 20ft high 57yds away to N.

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
1923	53° 35' 55" N	21° 19" E	Delph	13m S		Denshaw	12m W.

RAINFALL at Denshaw Colliery (OLD G)

County of W. R. Yorkshire Observer G. J. Batley Esq. C.E.

River Basin Upper Mersey 4.

Cu M.D. Snowdon Rain Gauge, by Casartelli
built into flat top pedestal as at New Year's Bridge

glass tested

Diameter ...	8										
Height	4 6										
Altitude ...	1030										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January	4.85	7.30	3.62	4.18	3.75	4.06	5.50			12.84	
February	4.41	4.45	5.41	6.11	1.15	6.30	4.45			5.84	
March	3.69	4.12	3.19	2.40	1.76	1.67	1.99			3.20	
April	6.03	1.60	2.93	5.69	2.20	2.74	2.26			1.28	
May	7.52	2.95	1.71	4.37	6.39	4.36	6.09			1.99	
June	3.14	4.41	3.07	1.01	3.91	1.08	3.88			1.47	
July	10.85	2.05	5.82	5.93	4.20	2.83	3.57			3.43	
August	3.52	6.64	6.73	5.84	6.43	4.65	5.36			6.46	
September	2.88	1.56	3.85	4.95	5.85	3.81	3.96			1.70	
October	2.06	3.05	1.18	6.10	7.18	7.34	4.52			5.82	
November	2.47	2.73	3.49	7.36	2.91	3.27	6.12			7.90	see new page
December	4.56	6.96	4.24	4.30	6.94	4.04	2.58			3.83	
TOTALS...	55.77	39.85	45.24	56.26	52.67	45.15	50.28			59.16	

1920. House 20 ft high 57 yrs N

Inspired by S. open alluvium sloping gently to N. & slightly highland on S. Valley runs east & west 300 yds. N. Certainly overexposed but infestation probable. 7-1-22

1924 - M. P. Sanga unexplored.

1925 Not painted, check gauge

Rejected from survey 6' low.

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
1920			Delph	13/4 mi	S	Denshaw	1 1/2 mi	W
1923	53° 35' 53" N	2° 21' 20" W						

RAINFALL at Denshaw (Ox Hey) new g

County of West Riding

Observer C. J. Batley, Esq., C.E.

River Basin Mersey - Upper - 4.

Gauge height 20 ft (1931)

Type of Gauge M.O.

47.1 (1932) 20

Annual Average 42.9 in. based on 17 years obs. unweighted. Period of average 1931-1945 Ref.

660607/26

Diameter	8.										
Height	1.0.										
Altitude	1031.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-45 Means
January	6.27	6.68	3.45	3.98	2.01	4.66	4.56	6.74	7.24	3.08	48.67
February	6.36	6.1	4.81	4.46	6.22	3.21	6.74	2.41	5.67	3.09	40.08
March	5.52	3.46	4.20	3.76	2.34	3.61	3.30	1.53	3.64	3.82	30.18
April	4.19	4.36	2.38	2.93	4.62	1.94	3.17	.71	2.97	2.67	29.94
May	3.58	5.75	1.99	3.45	9.92	1.70	2.47	4.75	2.32	6.03	27.96
June	7.65	8.7	3.78	2.90	4.70	5.46	2.59	5.24	4.27	1.06	38.52
July	6.25	5.13	4.43	4.36	2.36	4.82	2.56	4.64	7.81	4.97	47.33
August	7.37	1.64	2.25	4.27	3.25	2.78	1.92	4.15	2.75	2.56	32.94
September	4.91	5.51	2.34	4.39	8.24	5.89	2.16	2.05	11.73	5.22	42.44
October	3.06	8.30	5.02	5.77	10.50	5.73	2.70	11.25	3.41	5.28	61.02
November	8.56	3.75	2.41	2.82	7.04	6.78	2.92	5.68	8.24	8.50	56.70
December	2.64	2.58	0.76	6.82	3.73	4.83	3.35	6.11	4.67	5.22	40.71
TOTALS	61.96	48.64	37.82	45.91	55.93	51.41	38.44	55.26	54.72	46.50	496.49
	D	D	D	D	D	D	D	D	D	D	

1931. House 20' high 57 yds N.

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			Delph	1 $\frac{3}{4}$ mi	S	Denshaw	1 $\frac{1}{2}$ mi	SW

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 3104

RAINFALL at Denshaw (Ox Head)

41

County of West Riding

Observer C. Busfield Esq.

River Basin Mersey Upper

Type of Gauge M. A. 471 (1952) 20

Annual Average 42.8 in. based on 7 years obs. unweighted. Period of average 1881-1915. Ref. I.W.S.

File No. 1111607126

Diameter	8		559	445							
Height	10				1						
Altitude	1631				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	1.72	5.07	6.12	7.21	4.04	6.15	4.18	9.78	2.07	2.76	49.10
February	5.87	1.80	3.52	2.84	6.42	7.13	1.68	3.62	2.63	5.92	41.43
March	5.70	3.37	1.84	.76	1.68	3.10	6.52	1.82	1.99	2.40	28.18
April	3.40	2.77	2.59	3.33	3.05	8.17	4.78	2.30	4.81	4.33	33.59
May	3.14	5.58	3.02	4.79	4.24	2.08	2.88	1.86	4.72	2.22	34.53
June	2.00	1.33	4.35	4.33	6.63	3.56	3.13	4.74	1.01	2.88	33.96
July	2.60	5.41	3.56	4.24	1.98	5.80	3.00	2.14	2.55	4.46	35.74
August	8.43	5.87	6.77	5.11	3.08	5.95	4.42	6.84	3.08	2.63	52.08
September	1.81	3.10	5.14	5.55	3.55	7.45	3.66	3.06	1.69	8.22	42.23
October	6.06	7.17	3.23	4.94	6.91	1.19	1.20	3.65	5.02	2.98	42.33
November	3.59	1.24	3.61	3.10	1.00	8.18	7.97	2.33	7.58	2.28	51.88
December	2.83	4.40	2.98	4.35	3.12	4.32	4.58	4.39	8.31	3.49	42.77
TOTALS	46.15	47.11	46.73	56.64	45.70	56.08	44.00	45.53	45.46	54.42	487.82

941 houses 20' high 57 yds. N.

1944 Oct corr by ref to form 1090.
Ref. 27.5.53.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
1941			Dalby	13/4 m.	S.	Denshaw	1 1/2 m.	S.W.

Station No. 3104

51

RAINFALL at Denshaw / Ox Hey)

County of West Riding-Yorks.

Observer

G. Busfield Esq.

River Basin Mersey - Upper - H.

Type of Gauge.

47.06

M.D.

20

Annual Average 48.9 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. 18

File No. 660607/26

Diameter	8"			55.9	44.5						Means
Height	1'0"					1					Total
Altitude	1031					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	
January	5.05	4.60	2.03	4.55	3.28	5.11	4.85	4.79	7.19	46.79	
February	3.10	1.36	2.07	3.64	3.03	2.49	3.76	7.07	.55	3.66	30.73
March	5.54	3.26	2.65	3.49	3.01	1.76	4.54	3.05	2.48	1.71	31.49
April	3.15	4.04	3.81	.93	2.69	3.19	.64	1.73	4.77	2.86	27.81
May	2.91	2.70	2.97	3.88	4.67	2.42	1.64	5.06	2.65	2.25	31.15
June	.93	3.71	3.22	4.07	3.65	3.89	2.55	5.96	2.90	2.22	33.12
July	4.77	3.33	8.15	6.52	1.37	6.98	5.00	4.96	4.57	9.10	54.75
August	6.76	4.66	6.42	7.34	82	13.33	6.10	5.57	.81	6.90	58.71
September	3.63	3.98	3.49	6.60	3.19	4.72	6.88	6.54	.47	3.83	43.33
October	1.47	6.58	2.66	9.25	2.42	3.62	7.12	4.79	4.92	5.96	48.79
November	9.60	2.71	5.33	7.03	2.38	2.07	3.39	1.94	5.14	8.02	47.61
December	8.47	4.45	2.12	7.04	6.44	5.16	5.08	5.01	7.61	5.53	56.91
TOTALS	55.38	45.38	44.92	64.36	36.95	54.97	51.81	56.53	41.66	59.23	511.19
	D	D	D	D	D	D	D	D	D	D	

1451. House 20' high 57N.

Unw. 49.93 in. based on 34 yrs obs. within 1923-57. Pow. 2 in. Period of average 1916-50. Ref. 5 Rejected

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD(34) 985104

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Daleph	1 3/4 m S.	Denshaw	1 1/2 m S.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
		V	NG 22-22 NG 23-20 /cont- 20-23	V	V	V