

RAINFALL AT *Denshaw Oak Hey*

80

Lat.

Lon.

County of *York*

Rain Gauge, by

Observer

*G. H. Hill Esq. C.E.**Mersey Upper. H*

Diameter											
Height									<i>4 6</i>		
Altitude									<i>1030</i>		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January										<i>2.36</i>	
February										<i>1.93</i>	
March										<i>2.02</i>	
April									<i># 3.13</i>	<i>3.18</i>	
May									<i>.95</i>	<i>2.73</i>	
June									<i>3.11</i>	<i>.63</i>	
July									<i>7.71</i>	<i>4.17</i>	
August									<i>4.53</i>	<i>7.65</i>	
September....									<i>1.82</i>	<i>2.92</i>	
October									<i>2.28</i>	<i>5.69</i>	
November....									<i>7.74</i>	<i>2.22</i>	
December									<i>3.53</i>	<i>2.67</i>	
TOTALS										<i>38.17</i>	

Revised from survey, 6" bar.

RAINFALL AT Denshaw Ox Hey

Lat.

Lon.

County of York W.R.

Rain Gauge, by

Observer G. Hill Esq C.E.

Inversey, Upper H

Diameter	5										
Height	4	6									
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	2.255
February ....	.60	.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	2.55	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	3.445
August	6.40	9.43	4.92	2.77	4.09	4.98	3.00	4.83	6.55	2.16	4.913
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	4.425
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

Rejected from survey 6.10

RAINFALL AT Denshaw Gr. Wey

Lat.

Lon.

County of York W.R. CentralRaeburnRain Gauge, by CrookallObserver C. J. Bailey Esq. C.E.Mersey - Upper It

Diameter ..	8										
Height	4.6										
Altitude ..	1030 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
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	2.32	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 $1\frac{1}{2}$ miles WHouse 20 ft high $17\frac{1}{2}$ ft NDenshaw Station $1\frac{1}{2}$ miles SE

Hub

+ Inspected

Revised from survey 6/10

RAINFALL at Denchau Oz HeyCounty of W. YorkshsObserver C. J. Batley Esq C.E.River Basin Upper Mersey 4Sunderland Rain Gauge, by Cocartelli

Diameter ...	8											
Height	4.6											
Altitude ...	630 N											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS Totals	
January ...	5.29	1.63	3.66	3.57	3.75	6.08	4.13	3.28	3.04	5.53	16.00	
February ...	4.40	5.14	2.18	1.37	3.21	3.91	5.19	1.10	6.58	1.29	14.16	
March .....	.92	2.10	4.88	5.07	5.23	1.69	3.22	2.78	2.32	5.65	13.97
April	3.50	2.92	1.11	4.88	1.79	1.64	2.92	2.16	1.75	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	1.21	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	8.32	7.87	4.01	3.27	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	3.37	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	55.63	42.09	186.31	

1912 Home 20 ft high 57 ft to W

+ Inspected

Rejected from survey. 6' low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Dalgh	1 3/4 m	S	Denchau	1 1/2 m	W

RAINFALL at Denshaw (on Hwy) **NEW G.**County of Yorkshire N.R. Observer G. J. Batley Esq. C.E.River Basin Upper Mersey - HOldham 1922Snowdon Rain Gauge, by Cassella

(1929) N.O.

NEW GAUGE.

Diameter ...				8									
Height				10									
Altitude ...				1031									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1920-30	
		1920-22									1930	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	1.0	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	7.0	2.40	4.66	42.82	
October		6.29	1.28	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	59.76	48.69	58.17	580.67	

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1923	53°35'53"	2°1'19"	Delfh	1 1/2 m	S	Denshaw	1 1/2 m	W.

RAINFALL at Denshaw Goe Hay (OLD G)

County of N. B. YorkshireObserver G. J. P. Patten Esq B. Es.River Basin Upper Mersey 4

*Ca. M.P. Junction Rain Gauge, by Cassanelli
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		12.44		
February ...	4.41	4.5	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	3.69	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	4.1	3.07	1.01	3.91	.08	3.88		7.47		
July	10.85	2.05	5.82	5.93	4.20	2.83	3.57		2.43		
August	3.32	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		.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	<i>see new gauge</i>	
December...	4.55	6.99	4.24	4.30	6.94	4.04	2.58		3.83		
TOTALS...	55.77	34.85	45.24	56.26	52.67	45.15	50.28		57.76		
						D	P		P		

1920. House 20ft high 57 yds N

Inspected 18.5. on open hillside sloping gently to N. & slightly higher land on S. Valley runs east & west 300 yds. N. Certainly overexposed but unflashing probably.

1924. N.P. Gauge overexposed.

1925. Not finished. 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	1 3/4 mi	S	Denshaw	1 1/2 mi	W
1923	53° 35' 53"	2° 1' 20"						

RAINFALL at Denshaw (Ox Hey) new gCounty of West Riding Observer C. J. Bakley Esq., C.E.River Basin Mersey-Upper 4 C. J. Bakley Esq., C.E. (1938)Type of Gauge M.O.Annual Average 47.1 (1922) 20 based on 1 years obs. un-weighted. Period of average 1931-1935 Ref. 3

660607/26

Diameter	8.											
Height	1.0.											
Altitude	1031.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 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	6.86	6.1	4.81	4.6	6.22	3.21	6.74	2.41	5.67	3.09	40.08	
March	5.2	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	.92	1.70	2.47	4.75	2.32	1.03	27.96	
June	7.65	.67	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	1.73	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	61.86	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			Dolph	1 1/4 mi	S	Denshaw	1 1/2 mls	SW

Station No. 3104RAINFALL at Denshaw (Ox Hey)

41

County of West Riding Observer C. Busfield Esq.River Basin Armaney UpperType of Gauge M. G.47.1 (1952) 20Annual Average 18.9 in. based on 7 years obs. unweighted. Period of average 1881-1915 Ref. IWSFile No. 440607126

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	5.89	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	3.39	3.05	2.17	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	.42	5.84	3.08	2.83	52.08
September	.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	4.34	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	7.28	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 D	47.11 D	46.73 D	56.64 D	45.70 D	56.08 D	44.00 D	45.53 D	45.46 D	54.42 D	487.82

1941 House 20' high 57 yds. N.

1944. Oct corr by +8 to form 10.90.
Oct. 27. 6.53.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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Dalsh	1 3/4 m.	S.	Denshaw	1 1/2 m.	S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3104

51

RAINFALL at Denshaw (Or Hey)County of West Riding - YorksObserver E. Busfield Esq.River Basin Parsey - Upper - 4Type of Gauge M.D.Annual Average 47.86 in. based on 20 years obs. un-weighted.Period of average 1881-1915 Ref. 1. W. S.File No. 662607/26

Diameter ...	8"			55.9	44.5							
Height ...	1'0"				1							
Altitude ...	1031'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	5.05	4.60	2.03	4.55	3.28	5.34	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	8.22	4.09	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	45.88	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 57" N.

Annual 44.93 in. based on 34 yrs obs. within 1923-57. Pos. 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 Direction from gauge	Parish Church.	Distance Direction from gauge.
1451			Dalph	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
	✓	1920-22 NG 23-30 ✓	✓	✓	✓