

Rufford
Lancashire.

40

David Boase.

Diam 7 in + Ground 8 in + Sea Level 38 ft

YEAR - -	1847	1848	1849	MEANS.
January - -	2.00	2.05	4.00	
February - -	2.50	6.05	1.65	
March - - -	1.27	3.00	.70	
April - - -	1.72	2.20	1.58	
May - - -	4.00	1.95	1.90	
June - - -	2.95	5.52	1.77	
July - - -	1.33	3.50	5.05	
August - - -	2.75	7.44	3.50	
September -	5.60	3.00	4.00	
October - -	4.37	4.70	4.90	
November -	4.60	3.20	3.96	
December -	5.25	2.50	2.40	
TOTALS -	38.34	45.11	35.41	

C C C

to the Pond near Spring Water Lady Bessons Marjorie Wilson

Rufford
Lancashire

John Porter

Diam 7in + Ground 8in

+ Sea Level 38 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	2.40	4.95	5.76	3.42	3.00	.66	2.81	2.82	1.38	1.87	3.907
February - -	2.58	2.15	3.60	.86	1.95	1.33	2.72	2.00	.03	2.90	2.012
March - - -	0.90	2.78	.28	1.32	1.30	2.62	.64	2.17	1.98	3.77	1.776
April - - -	3.43	.98	.30	1.94	.68	.67	2.61	1.62	2.92	2.99	1.814
May - - -	1.20	1.70	2.15	1.20	1.70	1.81	2.18	2.20	2.44	.95	1.753
June - - -	1.85	4.10	3.30	3.48	1.76	4.43	3.05	3.80	1.27	3.06	3.010
July - - -	4.58	2.76	5.10	5.47	2.88	4.82	3.25	2.31	3.23	2.82	3.722
August - -	5.80	3.72	4.92	2.62	3.66	1.96	3.42	4.17	2.42	5.13	3.782
September -	2.73	2.25	2.68	2.40	2.36	1.34	4.20	2.89	4.47	4.27	2.959
October - -	3.88	5.28	4.55	4.15	3.46	5.13	1.88	2.44	3.63	3.14	3.754
November -	3.60	2.82	6.60	3.03	4.47	1.12	2.89	1.70	1.61	1.86	2.890
December -	2.40	.80	5.52	.54	4.44	1.75	3.33	2.52	3.63	3.65	2.858
TOTALS -	35.35	33.49	44.76	30.43	31.66	27.64	32.98	30.64	29.01	36.41	33.237

Rufford
w. Arncliffe

John Potter.

5. 68

7 in. + ground 8 in

+ Sea Level 38 ft

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	4.42	7.76	2.83	4.38	1.95	2.40	3.98	3.32	2.43	3.55	3.002
February --	1.20	2.90	5.58	9.0	1.87	2.02	3.43	2.02	2.06	3.93	2.091
March --	3.48	4.27	3.79	1.33	2.47	1.61	2.40	1.08	3.50	1.13	2.506
April ---	1.03	1.47	2.54	1.14	1.39	1.49	.63	3.50	1.66	2.84	1.769 -
May ---	2.56	1.20	4.44	2.43	2.05	3.63	1.35	1.27	1.68	3.40	2.401
June ----	5.43	3.08	3.17	4.46	3.37	.63	4.15	.94	.41	1.43	2.707
July ----	2.04	3.41	3.53	1.85	1.85	2.27	4.18	4.15	.31	.98	2.463
August --	6.24	3.68	2.95	4.37	1.79	4.30	4.22	1.76	3.24	1.97	3.460
September -	2.46	4.72	3.80	5.62	3.52	.38	6.88	2.18	1.58	6.71	3.785
October --	4.22	3.17	5.00	6.57	2.90	4.53	2.48	5.16	5.56	3.30	4.289 +
November -	2.62	4.13	1.91	3.89	3.70	2.95	4.88	2.00	2.88	3.87	3.283
December -	3.96	2.00	3.10	2.80	2.28	1.56	4.08	3.03	6.88	2.82	3.243
TOTALS -	39.66	34.79	37.70	39.74	29.14	27.85	42.58	30.41	32.19	35.93	34.999

C C C C C C C C C C

1868 Average (22^{yr}) 34.78. Dec. was exceptionally wet and the quantity of rain in that month has only been exceeded here once during the last 22 years viz in August 1848 when the rainfall amounted to 7.44 -

RAINFALL AT *Rufford*

Lat.....

Lon.....

County of.....

Lancashire

Rain Gauge, by.....

Observer.....

*John Pater Esq.**1881-1895* *Av 323*

Diameter.....	.5										
Height.....	.8										
Altitude.....	320			380							
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.45	1.32	4.57	4.31	2.80	3.79	1.38	5.56	2.99	1.34	3.061
February.....	1.02	2.82	3.41	74	1.61	.85	3.11	3.69	1.40	2.73	2.138
March.....	2.09	1.12	3.95	3.30	2.96	.76	2.54	2.83	1.34	1.36	2.225
April.....	1.44	2.56	2.77	.72	1.15	.71	2.66	2.01	1.58	2.32	1.792
May.....	1.62	1.62	2.25	1.99	1.42	2.02	.58	2.63	4.31	2.00	2.044
June.....	1.50	2.05	6.05	1.62	1.09	3.19	3.05	1.95	3.37	3.44	2.739
July.....	.55	4.94	7.08	3.34	2.65	6.37	3.19	6.62	.41	4.35	3.950
August.....	2.12	7.09	3.12	3.48	4.12	2.62	3.46	6.00	5.58	6.97	3.856
September.....	2.72	3.62	6.60	2.76	3.27	4.59	4.99	3.91	4.24	3.44	4.014
October.....	2.80	6.90	4.77	4.59	5.19	4.82	2.49	4.69	4.36	1.93	4.854
November.....	3.14	1.40	3.81	2.04	4.53	3.53	4.21	5.42	2.57	.91	3.158
December.....	2.31	2.51	3.88	1.42	3.06	1.32	4.91	4.37	2.48	2.03	2.829
TOTALS.....	29.84	31.95	52.26	30.31	33.85	34.59	36.57	49.68	34.63	32.82	36.650

1870 Oct. 8.80 the max in any month since the gauge placed 1847

1878 Hedge 8ft 6in high 14ft distant S.

1879 Gorseberry bush 3ft high 7ft E.

Rufford church 200 yds E.

RAINFALL AT *Ormskirk, Rufford*

80

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer _____

Robt. L. L. Coast Streams 3

Diameter	5											
Height	8											
Altitude	387											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	49	64	255	473	433	173	376	312	140	101	2376	
February	214	443	168	216	256	288	80	111	73	163	2012	
March	258	329	284	102	262	261	265	179	293	192	2425	
April	112	127	396	163	122	149	176	135	109	247	1736	
May	248	328	191	74	150	106	414	183	69	357	2120	
June	323	248	461	276	179	215	152	96	202	57	2209	
July	552	346	531	208	335	156	460	118	560	255	3521	
August	152	503	330	234	192	192	192	160	353	450	2758	
September	392	170	253	518	233	349	396	346	128	295	3070	
October	260	352	270	48	209	502	504	206	308	244	3336	
November	417	368	512	341	147	291	261	116	494	187	3134	
December	537	405	314	187	339	177	445	238	194	330	3166	
TOTALS	3514	3683	3765	3263	2857	2859	3721	2200	2923	2878	31863	

1880. *Rufford* abt- 200 yards E.

ledge 7ft high 13ft S.

gooseberry bushes 3ft. 7ft E

RAINFALL AT Ormskirk Rufford

Lat. _____

Lon. _____

County of Lancashire lent

Rain Gauge, by _____

Observer _____

J. Porter Esq
J. Hobbs Esq

6 ent. 3
East Stream 3

Diameter	5										
Height	0 8										
Altitude	38 T							39			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.94	1.78	3.00	1.21	2.50	2.92	1.76	1.18	2.71	4.63	2.563
February ....	.57	.09	2.04	3.99	3.92	.35	1.61	2.55	2.15	1.78	1.905
March	2.31	.92	1.01	.66	2.50	2.68	4.07	2.92	.99	1.62	1.968
April	1.43	1.83	1.55	.25	1.09	2.38	1.11	2.24	2.00	3.51	1.739
May	2.22	2.18	3.29	1.62	2.98	.85	.41	1.54	3.60	2.57	2.126
June	2.27	1.81	2.90	1.37	2.77	1.22	2.63	3.87	2.60	1.37	2.281
July	2.69	2.81	2.85	3.97	2.99	3.54	2.66	1.71	.53	2.44	2.619
August	4.26	7.62	4.51	3.71	3.89	2.88	2.92	4.74	5.71	1.39	4.164
September....	2.80	3.89	4.09	4.08	.36	1.21	5.32	3.86	1.22	4.86	3.769
October	2.16	3.66	4.89	3.99	3.21	4.83	4.80	2.28	3.78	2.88	3.648
November....	6.21	4.08	2.51	1.77	3.10	2.93	1.51	4.48	3.57	1.74	3.190
December ....	.58	5.96	2.37	3.90	3.14	2.96	4.70	3.31	2.98	2.69	3.259
TOTALS ...	31.44	36.63	35.01	30.52	32.45	28.75	33.51	34.68	31.84	31.48	32.631

1890 Rufford Church 200 yards E
1895 Gauge moved 14 April 290 ft. N

1850 —

RAINFALL AT Orriskirk Rufford

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer G. Hobkirk Esq

Leest Streams 3

Diameter ..	5										
Height	0 8										
Altitude ..	397										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	4.27	2.04	2.08	2.47	2.81	1.45	4.19				
March	3.02	1.81	1.81	2.59	3.87	1.45	3.32				
April .....	.76	2.36	2.32	2.87	2.14	3.17	2.58				
May	1.64	1.85	1.74	2.35	1.84	2.52	.94				
June	1.73	.84	3.48	2.77	1.58	.30	3.30				
July	3.55	1.81	1.46	1.84	2.25	2.52	2.68				
August	1.09	1.71	2.65	2.57	1.22	2.36	1.63				
September ..	5.15	3.14	2.22	4.68	4.33	2.80	2.95				
October	1.62	1.19	1.50	5.26	2.03	2.20	.96				
November ..	4.71	2.42	3.36	6.59	2.34	3.42	6.39				
December ..	3.56	4.19	2.04	3.82	2.31	4.56	1.48				
TOTALS ..	3.70	3.81	2.75	2.94	2.94	.66	4.17				
TOTALS ..	34.80	27.17	27.41	40.75	29.66	27.41	34.59	34.00	34.00		

est. from summer totals
15 III n (high water)

RAINFALL AT Rufford

Lat. _____

Lon. _____

County of Central Lancashire

Sunder

Rain Gauge, by N 3

Observer H. Heskell Esq

Coast Streams 3

Diameter ...										5	
Height										10	
Altitude ...										41	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										2.10	
February ...										1.01	
March										2.91	
April										3.09	
May										1.48	
June										2.68	
July										5.47	
August										3.13	
September ..										2.66	
October ...										4.89	
November ..										1.57	
December ...										6.13	
TOTALS ...										37.12	

Rufford Church 360 yards SE
 " Lly Station 670 " SE
 Trees 32 " S

RAINFALL at Rufford ParkCounty of Central LancashireObserver H. Haskell EsqRiver Basin Ribble-Douglas 2J. Horrie Heggie Esq (1)Sminden Rain Gauge, by H+ZJ.P. Maitland Esq W.R. Ruddy

Diameter ...	5											
Height	1.0											
Altitude ...	41 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.75	.85	3.59	3.62	1.86	4.05		2.24	2.62	4.43		
February ...	3.38	2.94	1.73	1.16	1.88	3.86		1.13	3.29	1.10		
March .....	.78	1.03	5.21	3.50	3.85	5.11		2.14	.09?	3.50		
April	2.25	2.86	.07	3.95	.87	2.00		2.37	.08?	1.50		
May	3.16	1.14	2.52	2.62	1.74	1.17		2.32	2.75	1.48		
June	3.07	2.69	5.23	2.19	1.19	2.21		2.88	1.65	2.48		
July	5.22	.35	5.68	2.37	5.44	4.67		1.41	2.30	1.28		
August	4.97	3.31	5.67	1.80	2.10	3.78		5.57	2.70	3.07		
September ..	.44	4.31	1.62	2.20	3.78	.69		2.54	9.33	1.22		
October ...	2.78	2.64	3.78	2.55	2.52	1.28		7.14	3.05	1.67		
November ...	4.99	3.42	2.96	3.81	4.44	1.69		3.72	2.29	1.72		
December ...	3.18	5.18	2.41	2.19	5.69	5.01		2.27	7.20	4.08		
TOTALS ...	37.97	30.72	40.47	31.96	35.36	31.52	NR	35.73	37.35	27.53		
	2	2								d. imp		

1917 Trees 50ft high 100 yds all directions

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Rufford	666 yds	SE	Rufford	350 yds	E

RAINFALL at Rufford (Edmonstone Hospital)County of LancashireObserver Lancashire County Council *River Basin 3 - Coast StreamsThe Head Garden * (1940)Type of Gauge N.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

57913/36

Diameter	.....								5"			
Height	.....								1' 0"			
Altitude	.....								38'			
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....								3.45	4.48	1.47	
February	.....								1.01	2.33	2.02	
March	.....								.81	1.72	2.19	
April	.....								.25	2.30	1.84	
May	.....								3.82	1.15	1.54	
June	.....								3.40	4.07	.87	
July	.....								3.35	6.93	4.71	
August	.....								3.48	1.69	1.42	
September	.....								1.88	.75	3.07	
October	.....								6.97	1.92	3.19	
November	.....								4.79	5.48	6.92	
December	.....								3.53	2.68	2.92	
TOTALS	.....								36.74	34.50	32.16	
									2	D	D	

Inspected 19.9.38 - gauge sound and exposure excellent.

* Lancashire C.C., Land Drainage Engineer. (B.R. 1940)* Per Land Drainage EngineerPosition 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.
1938.			Rufford.	1nd.	S.E.	Rufford	3 mls.	S.E.

Station No. Z.F. 3010/5RAINFALL at Rufford (Pulmonary Hospital)

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County of Central Lancashire Observer The Head Gardener. †River Basin Great Ouse - 3Type of Gauge M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. 579013/26

Diameter	5"			569	399						
Height	1'0"				1						
Altitude	38'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.20	3.58	4.23	3.92	2.41	4.01	2.62	6.51	2.11	1.74	
February	3.33	1.19	1.94	1.22	3.74	4.51	.66	1.60	1.54	3.74	
March	2.61	2.47	.81	.74	1.15	.63	4.70	1.43	2.10	1.15	
April	1.09	1.35	2.09	2.00	1.56	.91	3.09	1.42	2.91	2.49	
May	2.02	2.78	3.04	2.30	3.27	1.66	3.15	1.45	2.41	.57	
June	.34	.48	2.46	3.04	3.38	2.44	2.10	3.97	.84	2.09	
July	.92	4.00	3.28	2.92	1.78	4.46	2.77	2.57	2.74	2.87	
August	4.41	4.06	4.41	2.76	3.38	5.08	.36	5.51	2.34	6.86	
September	1.06	2.27	4.02	5.42	2.18	6.45	3.28	2.27	1.08	6.55	
October	4.50	4.43	4.43	3.92	5.06	.56	.43	2.13	4.62	3.16	
November	2.08	.81	3.10	6.57	.22	4.63	3.48	2.30	4.64	4.84	
December	1.38	3.12	2.18	2.40	2.43	3.79	2.60	3.31	4.33	3.02	
TOTALS	23.04	30.54	35.99	37.21	30.56	39.13	29.24	36.37	31.66	39.08	
	D	D	D	D	D	D	D	D	D	D	

3/7/47. Site visited by Engineer's assistant & was found to be in a fairly sheltered position, being surrounded by tall trees but it would be difficult to find a more open site.

† Per Lanes. C.C., Land Drainage Engineers.

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

BRITISH RAINFALL ORGANIZATION

Station No. 3010/5 *T.F. 78*RAINFALL at Rufford (Pulmonary Hospital)

51

County of Central Lancashire

Observer

HEAD GARDENER*River Basin East-Streams-3Type of Gauge M.O.Annual Average in, based on 19 years obs. un-weighted. Period of average

Ref.

" " 34.02 " " 19 " " with (1926-57) " " " (1916-50.8 E 1535.753)File No. 579013/36

Diameter ...	5"			5.69	3.99						
Height ...	1' 0"				1						
Altitude ...	38'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.42	3.61	1.51	2.67	3.06	4.02	2.67	3.23	3.00	4.09	
February ...	2.54	1.17	.86	3.11	2.10	.60	3.57	5.93	.35	2.15	
March ...	4.29	1.77	1.20	2.09	1.57	.56	2.65	1.94	1.54	1.23	
April ...	1.63	2.85	2.57	1.04	1.77	1.83	.55	1.04	3.17	1.66	
May ...	2.88	2.47	1.99	2.53	2.67	1.35	2.09	4.29	1.62	2.20	
June ...	1.05	2.25	1.79	2.58	5.10	1.51	1.79	3.17	3.77	1.35	
July ...	1.66	1.92	3.98	5.19	.96	4.30	4.69	3.29	3.89	5.17	
August ...	4.75	3.21	4.09	4.48	1.22	12.43	5.56	4.25	1.11	5.77	
September ...	2.37	3.98	3.60	4.12	4.01	3.21	5.78	4.60	.45	3.24	
October ...	1.02	4.07	1.48	7.25	2.37	2.22	5.09	3.30	3.54	2.99	
November ...	7.79	2.29	4.63	5.38	1.81	1.55	2.00	1.68	5.81	7.08	
December ...	7.33	2.47	1.38	3.93	3.68	3.09	3.36	3.49	7.50	3.98	
TOTALS ...	40.71	32.06	28.98	44.37	28.22	36.67	39.80	40.21	38.75	40.91	
	D	D	D	D	D	d	d	d	D	D	

1956. Obs' says March values are correct. Oct point est.

1957 Dec 1957-Jan 1958 added

* Per Lancashire River Board

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD(34)456164

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			cl 938	✓	✓
			✓	✓	✓