

Bufford
Lancashire

40

David Beesie

Diam 7 in + ground 8 in + sea level 38 ft

YEAR - -	1847	1848	1849	MEANS.
January - -				
February - -				2.00 2.05 4.00
March - - -				2.50 6.05 1.65
April - - -				1.27 3.00 .70
May - - -				1.72 2.20 1.58
June - - -				4.00 1.95 1.90
July - - -				2.95 5.52 1.77
August - -				1.33 3.50 3.50
September -				2.75 7.14 3.50
October - -				5.60 3.00 4.00
November -				4.37 4.70 4.90
December -				4.60 3.20 3.96
TOTALS -				5.25 2.50 2.40
	38.34	45.11	35.41	

C C C

* Be kind and sparing water. Stop drainage before October

Rufford
Lancashire.

John Porter.

Dear Jim + Ground 8 in

+ 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	2.907
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 - - -	1.58	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	2.02	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	32.237

Rufford
nr. Armstrik

John Peirce

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	76	2.83	4.38	1.95	2.40	3.98	3.32	2.43	3.55	3.002
February - -	1.20	2.90	.58	.90	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	1.00	3.50	1.13	2.506
April - - -	1.03	1.47	2.54	1.14	1.89	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	3.59	1.85	1.85	2.27	4.18	4.15	.31	.98	2.443
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	5.87	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	34.929

C C C C C + C C C

1868 Average (22yrs) 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 Peter Eg.....

1841-1875 Av 323

Diameter	.5										
Height	.8										
Altitude	38.0			38.0							
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	3.051
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	1.58	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	4.41	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	8.80	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	3.55	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

C C C

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

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

1879 Gooseberry bush 3ft high 7ft E.

Rufford church 200 yds E.

RAINFALL AT Rufford

80

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer Porter Esq.~~Brookland Coast Streams~~

Diameter	5										
Height	8										
Altitude	38 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January49	.64	2.55	4.73	4.33	1.73	3.76	3.12	1.40	1.01	2.376
February	2.14	4.43	1.68	2.16	2.58	2.88	.80	1.11	.73	1.63	2.012
March	2.58	3.29	2.84	1.02	2.62	2.61	2.65	1.79	2.93	1.92	2.425
April	1.12	1.27	3.96	1.63	1.22	1.49	1.76	1.35	1.09	2.47	1.736
May	2.48	3.28	1.91	.74	1.80	1.06	4.14	1.83	.69	3.57	2.120
June	3.23	2.48	4.61	2.76	1.79	2.15	1.52	.96	2.02	.57	2.209
July	5.52	3.46	5.31	2.08	3.35	1.58	4.60	1.18	5.60	2.55	3.521
August	1.52	5.03	3.30	2.34	1.92	1.92	1.92	1.60	3.53	4.50	2.758
September	3.92	1.70	2.53	5.08	2.33	3.49	3.96	3.46	1.28	2.95	3.070
October	2.60	3.52	2.70	4.81	2.09	5.02	5.04	2.06	3.08	2.44	3.336
November	4.17	3.68	5.12	3.41	1.47	2.91	2.61	1.16	4.94	1.87	3.134
December	5.37	4.05	3.14	1.87	3.39	1.77	4.45	2.38	1.94	3.30	3.166
TOTALS	35.14	36.83	37.65	32.63	2857	2859	3721	2200	29.23	2878	31.863

1880. Rufford abt. 200 yards E.

Fedge 7ft high 13ft S.

Gooseberry bushes 3ft. 7ft E

RAINFALL AT Ormskirk Rufford

Lat.

Long.

County of Lancashire Lancashire

3
Local streams 3.

Rain Gauge, by

Observer

J. Porter Esq
J. Hobkirk Esq

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
February57	.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	1.87	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	3.169
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
December58	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	33.5	34.68	31.84	31.48	32.631

1890 Rufford Church 200 yards E

1895 Gauge moved 1st April 290 ft N

1850 —

RAINFALL AT Ormskirk Rufford

Lat.

Lon.

Cathol. County of Lancashire, Eng.

Rain Gauge, by

Observer G. Hobkirk Esq.

Coast Streams 3

Diameter ..	5									
Height ..	0.8									
Altitude ..	397									
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	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	3.92	2.31	4.56	1.48			
TOTALS ..	34.80	27.17	27.41	40.75	29.66	27.41	34.59	(34.00)	(34.00)	

D D 47 est. from surrounding totals
15-III-12 (7yrs back)

RAINFALL AT Rufford

Lat.

Lon.

County of Central Lancashire

Sunderon Rain Gauge, by N & Z

Observer H. Heeckell Esq

Coast Streams 3

Diameter ...										5	
Height										1.0	
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										3.18	
September ..										2.66	
October ...										4.89	
November ..										1.57	
December...										6.13	
TOTALS ...										37.12	

Rufford Church 360 yards SE
 Rufford Station 670 " " SE
 Trees 82 " " S

RAINFALL at Rufford Park

County of Central Lancashire

Observer A. Haskell Esq

River Basin Ribble-Douglas 2

J. Gorrie Heggie Esq. (1)

Gauge Rain Gauge, by H+3

J.P. Marshall Esq. W.R.D.(1)

Diameter ...	5										
Height	1.0										
Altitude ...	411										
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	
March78	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		2.39	.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	5.20	2.19	1.19	2.21		2.88	1.65	2.48	
July	5.22	.36	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	
											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 (Pulmonary Hospital).

County of Lancashire.

Observer Lancashire County Council *

River Basin. 3 - Coast Streams.

The Head Gardener (1940)

Type of Gauge 1.0.

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

Ref.

579013/36

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

Inspected 19.9.38 - gauge sound and exposure excellent.

Lancashire C.C., Land Drainage Engineer. (B.R. 1940)

* Resigned February 1940.

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
1938.			Rufford.	1 mi.	S.E.	Rufford	2 miles	S.E.

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

Station No. T.F. 3010/5

41

RAINFALL at Rufford (Pulmonary Hospital)

County of Central Lancashire Observer The Head Gardener. #

River Basin Coal Streams - 3

Type of Gauge H.R.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	2.44	.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	26.04	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 selected 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 Engineer.

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

Station No. 3010/5 T.F. 76

RAINFALL at Rufford (Pulmonary Hospital)

County of Central Lancashire

Observer HEAD GARDENER*

River Basin Coast Streams -3

Type of Gauge M.D.

Annual Average in. based on years obs. un-weighted. Period of average Ref.
 " 34.02 " " 19 " " within 1926-57. " " " 1916-50.8 E 15355 1/23
 File No. 579073/36

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	4.73	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	35.75	40.91	
	D	D	D	D	D	d	d	A	D	D	

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

1957 Dec 1957-Jan 1958 approx

* Per Lancashire Rivers 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 from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			c1938	✓	✓ bldg +1.43