

# RAINFALL AT

*Upholland Grammar School*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Central Lancashire*

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

*C. H. (G. E.)*

*Ribble - Douglas 2.*

Diameter ...										5	
Height .....										10	
Altitude ...										310	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										1.96	
February ...										.95	
March .....										2.82	
April .....										2.73	
May .....										2.92	
June .....										2.52	
July .....										4.67	
August .....										5.13	
September ..										3.16	
October ...										5.80	
November ..										1.72	
December ...										6.91	
TOTALS ...										41.29	

*Upholland Church 1 mile N.*

*Orrell Station 1/2 " NE*

*House 25 ft high 20 yards S*

## RAINFALL at Upholland Grammar School

County of Central Lancashire

Observer C. H. G. Eng

River Basin Ribble-Douglas 2

Rain Gauge, by

Diameter ...	5										
Height .....	1.0										
Altitude ...	310 T								320		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	4.15	1.15	3.72	3.31	1.89	4.21	2.27	2.42	2.58	3.72	
February	3.15	2.69	1.32	.99	2.15	3.39	3.39	1.66	3.19	1.00	
March	.79	.93	5.03	3.20	3.69	1.54	1.64	2.44	1.63	5.79	
April	2.56	2.46	.43	3.93	.95	1.93	2.83	2.16	.82	1.97	
May	3.03	.90	2.16	2.74	1.85	1.29	2.41	2.75	2.93	1.33	
June	3.27	3.45	3.78	2.30	1.26	2.04	3.15	1.87	2.10	2.18	
July	4.92	.39	4.83	1.82	4.85	3.42	2.44	1.97	4.50	2.42	
August	4.89	2.88	6.98	2.26	2.33	4.80	3.16	7.72	3.16	4.71	
September	1.12	4.00	2.03	1.76	3.93	.94	3.17	1.62	9.80	2.31	
October	2.38	2.05	4.14	2.13	2.58	1.90	6.37	7.82	3.49	2.69	
November	4.79	2.97	2.20	3.85	3.76	2.00	2.91	4.24	2.39	2.65	
December	3.39	5.12	3.07	2.10	5.92	6.37	2.50	2.31	7.47	6.25	
TOTALS	38.44	28.99	39.69	30.39	35.16	33.83	36.34	38.98	44.06	37.02	
	D	D		D	D	D	D	D	D	D	

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.35.	2.45	Orrell	1/2 m	E	Upholland	1 m	N

RAINFALL at Upholland Grammar SchoolCounty of C. LancashireObserver C. H. Cox EsqRiver Basin Ribble & DouglasSnowdon Rain Gauge, by

Diameter ...	5										
Height .....	1.0										
Altitude ...	320					300		320			
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930
January ...	4.09	4.85	4.20	2.68	3.19	2.29	4.15	4.05	8.03	2.06	5.75
February ...	2.89	2.7	3.43	4.86	1.19	5.29	3.29	1.80	2.90	1.05	.27
March .....	3.96	2.69	1.88	1.91	1.56	1.35	1.39	4.07	2.31	1.23	3.27
April .....	5.10	1.56	2.75	3.20	2.02	1.69	1.25	1.60	1.02	.87	2.59
May .....	6.09	2.42	1.45	3.54	5.52	3.61	4.44	1.17	1.19	2.55	2.50
June .....	3.16	.37	2.99	.91	2.88	.86	1.67	4.61	5.59	1.91	1.85
July .....	6.90	1.54	4.65	4.31	5.34	2.54	4.69	3.61	2.20	2.92	5.47
August .....	2.95	5.37	3.46	4.47	8.02	3.84	4.44	6.05	5.11	4.58	6.56
September...	3.96	1.35	3.88	4.23	4.59	4.46	4.31	6.03	1.56	2.49	3.44
October .....	1.45	3.15	.50	5.20	4.86	4.37	3.52	3.83	4.26	5.53	6.26
November...	2.06	2.80	3.06	4.98	2.17	3.05	5.43	4.88	6.12	6.47	5.60
December...	2.87	5.14	5.12	5.54	4.28	2.66	1.87	1.57	2.66	6.49	4.13
TOTALS...	45.48	31.51	37.37	45.84	45.62	35.51	40.45	43.27	44.05	38.14	47.69
	D	D	D	D	D	D	D	D	D	D	D

1926. No objects to interfere.

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	Parish Church.	Distance from gauge	Direction
1920	53°35'	2°45'	Orrell	1/2 mi	E	Upholland	1 mi	N



RAINFALL at Orrell (Upholland Gram. Sch.)County of Central LancashireObserver C. H. Rex, Esq.River Basin Ribble-Douglas-2The Headmaster.Type of Gauge SnowdonAnnual Average 25.5 in. based on 18 years obs. un-weighted. Period of average 1881/1915 Ref. 8647619/26

Diameter	5.										
Height	1.0.										
Altitude	320.					325		325			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.00	3.92	1.97	2.22	1.73	3.75	2.32	4.48	5.05	2.54	
February	3.29	.07	2.90	.24	3.07	2.32	4.16	.83	3.11	2.67	
March	.46	2.45	2.17	1.71	1.34	2.25	1.75	1.18	2.15	2.51	
April	2.94	2.76	1.27	2.32	2.74	1.52	3.54	.00	2.08	2.26	
May	2.18	4.89	1.74	2.51	1.55	.85	1.31	4.32	1.38	2.44	
June	5.46	.44	2.45	2.07	3.04	3.00	2.03	3.21	3.68	.69	
July	3.37	5.36	1.81	1.28	1.87	3.90	1.78	3.49	5.62	3.68	
August	5.63	1.06	1.88	3.88	1.80	2.44	1.78	3.62	3.28	1.74	
September	3.52	4.28	1.21	2.86	5.28	5.26	1.81	1.48	1.04	3.69	
October	2.18	8.57	4.18	4.78	6.19	3.01	2.84	8.42	1.88	4.63	
November	5.66	3.39	1.72	1.83	4.48	4.97	1.94	5.30	5.58	5.86	
December	1.75	2.04	.72	5.40	3.29	3.57	1.84	4.63	4.11	2.78	
TOTALS	40.44	39.23	24.02	30.70	36.38	36.84	27.10	40.96	38.98	35.49	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

Hedge 4' high 18' N  
 " 24' S  
 " 6' E  
 " 5' 18' W

1924. Nothing within 50 yds of g.

1937. Wall 4' 6" high 30 yds N; Hedge 4' high 10 yds E; Hedge 4' high 50 yds S;  
 Hedge 6' high 20 yds W.1940 Jan 27<sup>th</sup> 2.8<sup>th</sup> estd. from nearby stations.

Position of Station on reduced Ordnance Survey Map. } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Orrell LMSR	$\frac{1}{2}$ m	E	S. Luke's	$\frac{1}{2}$ m	E.

Station No. TF 2994RAINFALL at Orell (Upholland Grann Sch)

41

County of Central Lancashire Observer The HeadmasterRiver Basin Ribble - Douglas - 2Type of Gauge StandardAnnual Average 35.5 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref SFile No. 647619/25

Diameter	5"										
Height	1'0"										
Altitude	325										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.67	3.76	4.44	4.86	2.76	5.43	2.81		6.83	1.95	
February	3.73	1.74	2.18	1.53	3.98	5.35	.88		1.52	4.84	
March	2.43	3.02	1.02	.95	1.42	.91	4.71		2.93	1.64	
April	1.58	1.80	1.82	2.69	2.24	1.29	3.70		2.97	2.64	
May	1.69	3.61	2.70	2.20	4.36	1.88	3.12		3.19	1.17	
June	.33	.52	3.35	1.91	3.93	4.47	1.91		.73	2.26	
July	1.57	(3.94)	3.09	3.52	3.85	4.20			2.25	3.37	
August	4.92	4.28	5.72	2.90	2.30	6.84			3.17	8.42	
September	1.16	3.33	5.41	5.20	2.30	6.22			1.63	6.63	
October	4.43	4.93	4.59	4.60	5.36	1.17			4.13	2.91	
November	2.50	1.00	3.04	7.00	.45	4.93			5.84	5.29	
December	1.53	4.30	1.98	4.03	3.18	1.93			5.49	3.83	
TOTALS	27.54 D	36.23 D	39.34 D	41.39 D	36.13 D	44.62 D	1.97 D	N.R.	36.68 D	44.95 D	

1941 Wall 4'6" high 30 yds. N. Hedge 4' high 10 yds. E. Hedge 4' high 50 yds. S.  
Hedge 6' high 20 yds. W.  
1942 July part est'd.

1945 Moved 31/7 15 yds. N. Wall 4'4" 4' x N, 12' 12' x E, 2' 4' x S, hedge 6'8" W.

1947. n.p. imp. Readings for July-Dec not representative of representative Gauge was broken (see loc. 200) during summer 1947. No return for 1948 as records were unavailable. See enc. 25A, 1/647619/25. How gage of 4th mm pattern put into use 1.1.1949.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map.....

Reference No. 511 569 986

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1941			Orell	1/2 m.	E.	Orell	1/2 m.	E.

BRITISH RAINFALL ORGANIZATION

Station No. 2994Sheet 51RAINFALL at Orrell (Upholland) (near Sch.)County of Central LancashireObserver The Headmaster

F. H. Smith, Esq.

20.12.55

River Basin Hibble-Douglas-2Type of Gauge LowdonAnnual Average 35.5 in. based on 18 years obs. up-weighted. Period of average 1881-1915 Ref. SFile No. 647619/25

Diameter ...	5"										
Height ...	1' 0"										
Altitude ...	325'					355					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.29					5.68	3.91				
February ...	2.56					.60	2.96				
March ...	4.82					1.31	3.83				
April ...	1.57					2.59	.70				
May ...	3.66					1.45	1.75				
June ...	1.08					2.95	1.60				
July ...	2.69					6.66	3.52				
August ...	5.43					11.49	4.92				
September ...						3.38	5.60				
October ...						3.17	4.80				
November ...						1.85	1.65				
December ...						2.42	3.89				
TOTALS ...	NR.					43.55	39.13				
	NR.					D	D				

1951 N.P. with repeated interference by outside people. Wall 4'6" high 4 yds N. Wall 12' high at 12° E. Well 2' high at 4° S. Hedge 6' high 8° W.  
 1954 Waiting for new school site. Will reset gauge when work completed.  
 1955 Re-sited Dec. 1955. (see file)  
 1956 School 25' at 55° N.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

341536033

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			Orrell	$\frac{1}{2}$ m.	E.	Orrell	$\frac{1}{2}$ m.	E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ Orrell-12	✓	✓	41-46 49.50 42-46, 49.50 2.41	