

# RAINFALL AT *Livingston Coppice Hill*

70

Lat. *53° 40' N*

Lon. *2° 34' W*

County of *Lancashire*

Rain Gauge, by

Observer *Liverpool Corporation*  
(*per J. Perry C.E.*)

Diameter. . . . .											
Height. . . . .											
Altitude. . . . .						<i>879</i>					
Year. . . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January. . . . .											
February. . . . .											
March. . . . .											
April. . . . .											
May. . . . .											
June. . . . .											
July. . . . .											
August. . . . .											
September. . . . .											
October. . . . .											
November. . . . .											
December. . . . .											
TOTALS. . . . .						<i>37.15</i>	<i>37.40</i>	<i>53.60</i>	<i>39.45</i>	<i>37.35</i>	

# RAINFALL AT *Livingston, Coppice Hill*

Lat. *53° 40' 1" N.*

Lon. *2° 33' 50" W.*

County of *Lancashire*

Rain Gauge, by *Ribble Douglas 2*

Observer *Liverpool Corporation*  
(*per J. Barry C.E.*)

Diameter ....											
Height .....											
Altitude ....	<i>879</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....											
February ....											
March .....											
April .....											
May .....											
June .....											
July .....											
August .....											
September ...											
October .....											
November ....											
December ....											
TOTALS ...	<i>40.10</i>	<i>41.15</i>	<i>44.90</i>	<i>39.93</i>	<i>30.84</i>	<i>33.22</i>	<i>41.62</i>	<i>26.23</i>	<i>36.02</i>	<i>37.12</i>	

*Rejected from Survey: 6" too low.*

from Printed Table.

RAINFALL AT Rivington, Coppice Dale

Lat. 52°40'1"N

Lon. 2°33'50"W County of Lancashire

Rain Gauge, by

Observer

Ribble Douglas 2

Liverpool Corporation  
(per J. Henry C.E.)

Diameter ....												
Height .....												
Altitude ....	<u>879</u>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....												
February ....												
March .....												
April .....												
May .....												
June .....												
July .....												
August .....												
September....												
October .....												
November....												
December ....												
TOTALS . . .	<u>113.20</u>	<u>47.75</u>	<u>42.64</u>	<u>41.85</u>	<u>47.52</u>	<u>37.85</u>	<u>41.98</u>	<u>39.40</u>	<u>35.97</u>	<u>35.24</u>	<u>41.34</u>	<u>0</u>

Rejected from Survey: 6" too Low.



# RAINFALL AT

*Livingston Copper Mine*  
*Central*  
 County of *Lancashire*  
 Rain Gauge, by *J. Parry Esq. C.E.*  
 Observer *J. Parry Esq. C.E.*

Lat. ....

Lon. ....

Rain Gauge, by

Observer

*Douglas 2*

Diameter ..				8							
Height ....				18							
Altitude ..				879							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	5.28	3.00	5.05	3.20	5.31	1.52	5.45	1.98	2.91	2.18	
March ....	2.11	1.62	1.85	3.66	6.23	1.65	3.10	2.01	3.63	1.55	
April .....	.46	3.20	3.76	4.75	2.01	2.87	3.56	4.29	2.74	2.44	
May .....	2.15	2.84	3.14	2.51	2.61	2.54	1.82	2.24	2.87	4.22	
June .....	1.95	.89	4.79	4.62	1.82	.83	3.83	4.16	2.92	2.38	
July .....	1.88	2.54	2.15	1.91	2.71	2.31	3.20	(8.00)	1.88	3.79	
August ....	3.10	1.88	5.21	4.95	1.78	2.97	2.44	3.93	4.98	6.27	
September..	5.44	2.90	3.17	6.67	4.49	4.36	3.70	5.15	3.30	4.06	
October ....	2.97	1.06	2.39	6.60	1.26	3.46	1.81	1.09	5.02	2.67	
November..	6.17	5.38	5.87	9.31	3.23	4.95	7.56	3.13	1.91	5.68	
December ..	4.29	6.93	2.77	4.09	3.23	5.31	4.19	2.81	3.00	1.72	
TOTALS ..	41.05	37.26	41.44	54.88	34.88	33.89	45.85	(42.39)	37.34	(43.96)	

†.

*Records previous to 1903 not printed in "BR".*

1907. June estimated.

1900-1902. Monthly totals recd. XII. 08. Entered IX. 09.

†. 1908 ? small

1907 Dec gauge broken roughly at 16. III. 12 (Hydr. Wks)

*Rejected from survey. 6" too low*

† Inspected

## RAINFALL at

Livingston Coppice Sile

County of Central Lancashire

Observer

J. P. Barry Esq. C.E.

River Basin

Ribble - Douglas

J. R. Davidson Esq. C.E. 1915

Rain Gauge, by

Diameter ...	8											
Height .....	1 8											
Altitude ...	877 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	5.14	1.22	2.77	3.46	2.74	5.22	2.78	2.27	2.31	4.06		16.49
February ...	3.14	3.66	1.82	1.32	2.34	4.95	3.03	1.12	4.32	.88		11.42
March .....	61	1.79	5.41	4.66	4.25	1.65	1.71	2.64	1.58	3.63		9.35
April .....	2.77	3.23	.83	4.71	1.22	2.11	3.79	1.58	1.22	2.42		7.56
May .....	3.59	2.87	2.37	3.91	1.94	1.51	3.37	1.74	2.44	1.45		7.01
June .....	3.14	3.80	5.61	2.94	1.78	2.24	3.53	2.73	2.47	2.44		9.00
July .....	5.74	.36	5.11	1.84	5.11	4.25	3.74	2.21	3.07	1.80		11.17
August .....	5.77	3.83	7.46	2.57	2.87	5.61	3.43	7.26	4.71	4.16		10.82
September ..	.63	4.26	2.47	2.17	3.63	1.12	2.90	2.29	10.10	2.27		19.58
October ...	3.60	3.04	4.69	2.37	2.50	2.11	7.42	7.62	3.72	3.80		17.56
November ..	5.25	3.89	3.02	4.65	4.80	1.25	2.54	4.68	2.21	2.83		22.06
December ...	4.22	7.03	3.33	2.83	5.27	6.63	2.83	2.21	7.98	6.20		12.26
TOTALS ...	43.60	38.98	44.89	37.43	38.45	38.68	41.07	38.35	46.13	35.44		160.97

1910 New gauge fixed Jan 17 to replace similar gauge found broken Dec 10<sup>th</sup> 1909 {same place}

1913 Mar. g. tampered with - part used.

+ Inspected

Rejected from Survey: 6" too low

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Livingston, Coppice StileCounty of C. LancashireObserver Col. J. R. Davidson C.E.River Basin Ribble - Douglas 2[pool 15W]

Rain Gauge, by

Overexposed on Moor.

Diameter ...	8												
Height .....	1.8												
Altitude ...	879												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS. 1930		
January ...	3.46	6.20	2.73	4.32	3.15	2.66	3.90	3.53	8.80	1.60	4.75	45.73	Totals.
February ...	2.97	3.4	4.12	5.74	1.02	6.18	4.02	1.86	3.99	1.12	.40	31.76	
March .....	3.46	2.87	2.27	1.64	1.55	1.97	1.37	4.95	2.84	1.53	3.10	27.25	
April .....	5.05	1.98	2.54	3.69	1.71	2.42	1.78	2.87	1.23	1.22	2.67	27.16	
May .....	7.06	2.67	1.93	4.19	5.51	4.53	3.42	1.48	1.35	2.99	1.75	36.88	
June .....	2.70	.76	3.56	1.36	3.53	1.6	2.07	4.95	6.80	1.95	3.14	30.48	
July .....	5.84	1.81	5.31	5.18	4.88	2.82	3.80	4.32	2.80	4.23	5.81	46.80	
August .....	2.50	6.76	4.92	5.61	7.52	3.63	3.77	5.68	7.79	5.25	7.98	61.41	
September...	3.30	(1.87)	4.58	5.11	4.48	4.56	4.52	6.37	1.41	2.51	3.10	41.81	
October .....	1.24	3.06	.76	6.23	4.81	4.64	3.00	3.92	5.37	7.07	6.37	46.47	
November...	1.78	2.73	3.39	5.09	2.47	4.44	6.37	4.78	6.07	7.39	6.54	51.05	
December...	2.21	5.44	4.42	4.52	5.08	2.20	1.88	1.39	2.97	6.96	4.36	41.43	
TOTALS...	41.57	36.49	40.53	52.68	45.71	40.21	39.90	46.10	50.65	43.82	49.97	487.63	Totals

1921. September Estimated.

1912/28 Inspected by Mr Colless. see green file

1929. Luff wall erected.

Rejected from Survey - 6" too lowPosition 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



RAINFALL at Rixington (Coppice Stile)\*County of Central LancashireObserver Col. J. R. Davidson, C.E.River Basin Ribble-Douglas-2.Lt Col F. Gilbert C.E.

Type of Gauge.....

Annual Average 4.2 in. based on 25 years obs. un-weighted. Period of average 1891-1915 Ref 5

660603/26

Diameter	8.											
Height	1.8.	1.	0.									
Altitude	879.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.45	4.75	2.91	2.90	3.37	5.28	2.71	4.29	5.87	2.10		Total 37.33
February	4.72	1.7	4.85	3.6	5.78	3.73	4.46	1.75	3.20	3.35		32.37
March	1.22	2.57	3.30	2.67	1.48	2.21	2.48	1.19	1.45	2.61		21.38
April	3.40	3.17	1.75	2.67	3.66	1.39	3.17	1.59	3.00	2.61		25.41
May	2.21	4.65	2.11	3.33	2.05	1.49	2.57	4.06	1.62	1.16		25.25
June	6.17	1.25	2.81	1.95	2.84	4.19	2.31	4.92	3.20	.89		30.53
July	3.43	4.36	2.77	2.21	2.31	4.65	2.31	4.72	6.11	5.41		38.28
August	5.38	1.75	3.33	3.58	1.95	3.04	1.88	3.20	2.11	3.17		31.39
September	4.55	5.45	1.25	3.45	7.20	3.93	1.88	2.84	1.58	4.46		36.59
October	3.03	7.66	4.32	6.14	8.12	4.82	2.15	7.13	2.34	4.29		50.00
November	6.96	3.96	2.67	2.71	3.86	6.37	2.28	4.65	6.34	7.16		47.06
December	3.04	2.07	.56	6.20	4.59	3.86	1.91	5.61	2.90	4.72		35.16
TOTALS	49.56	41.81	32.63	40.17	47.21	44.66	30.21	44.95	39.92	41.93		413.05
		W	W	W	W	W	W	W	W	W		424

\* Gauge over exposed on moor. (B.R.).

Revised from survey as 6" too low. Letter sent 17/8/35

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 3004RAINFALL at Rivington (Copple Stile) 11

41

County of Central LancashireObserver Lt Col. F. H. Burt. G. E.River Basin Ribble Douglas 2

Type of Gauge.....

Liverpool Harbor W.W.

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

File No. 66.0603/26 F3285

Diameter	8"			570	626		57					
Height	1' 0"				1							
Altitude	879				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.21	4.80	5.77	5.47	4.55	4.93	5.07	8.77	3.33	3.82		Totals 48.72
February	(5.44)	2.20	2.76	2.27	4.80	5.75	2.60	2.45	2.57	5.57		36.41
March	3.40	3.83	1.25	1.00	1.70	1.10	8.17	1.72	2.87	2.43		27.47
April	2.15	1.85	2.55	2.40	2.38	1.42	3.43	2.17	3.87	2.97		25.19
May	2.50	3.74	3.35	3.60	3.33	1.83	3.08	2.17	3.32	1.83		28.75
June	4.8	1.05	3.43	3.50	4.33	3.58	2.43	5.22	1.68	3.12		28.82
July	3.18	5.70	3.61	4.20	3.00	4.93	3.92	3.17	3.22	4.58		39.46
August	6.98	4.89	7.30	3.40	2.45	8.58	2.0	5.22	2.73	8.13		49.88
September	1.47	3.78	5.50	7.05	2.30	7.40	4.62	3.00	2.58	8.07		45.77
October	4.73	8.08	4.43	5.05	6.32	1.45	1.03	3.17	4.53	3.67		42.46
November	2.85	1.23	4.05	6.80	5.6	6.27	5.28	2.33	5.53	6.73		41.63
December	3.10	4.73	2.80	4.70	3.03	4.71	4.08	3.85	6.08	4.30		44.38
TOTALS	38.49	45.88	46.80	43.44	38.75	51.95	43.91	43.24	42.31	55.17		455.14
	W	W	W	W	W	W	W	W	W	W		40.00

1941 Feb. total amended by Liverpool W.W.

New gauge set up May 1st.

20004

11 Gauge over exposed on roof

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. 3004 T.F.

51

Observer *Liverpool Corp'n. W. W.*

Annual Average.....in, based on..... years obs. un-weighted. Period of average.....Ref.....  
 " " 44-96 " " 15 " " within 1942-57. " " 1916-50 File No. E 32261/25 E 23261/55

1935 May est. M.O.3

1935 May est. M.O.B. 02004  
 July. III 1958 J.B.O.K. g. must. One impact all directions but fair turf-wall.

11 g. over-exposed 8 Turf-wall.

Position of Station on Ordnance One-Inch map : No. of Map.....101..... National Grid Reference 50(34)623192

*Summary of Earlier Records from 10-year Sheets :*

1916-1950, P - Rejected

(62) Wt. 13072-389 10M 6/50 T.S. 841