

## RAINFALL AT Sunderland (Fever Hospital)

Lat. .... Lon. .... County of Durham  
Rain Gauge, by Observer Dr. A. E. Harris.

Wear 2

Diameter .....	8	8								
Height .....	8	8								
Altitude .....	109	109T								
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
										MEANS.
January .....	1.91	.50	1.41	2.93	1.56	3.22	1.79	1.12		
February .....	3.83	.22	1.92	1.27	.86	.79	.46	1.03		
March .....	3.16	1.33	1.88	2.41	1.99	2.86	1.69	5.56		
April .....	.67	3.82	1.35	1.57	1.63	1.74	.53	1.40		
May .....	1.79	2.30	1.61	.81	3.93	2.40	1.34	.53		
June .....	1.05	3.11	2.69	.75	1.92	.81	.37	2.05		
July .....	2.67	4.69	3.96	3.40	1.38	4.82	1.20	6.46		
August .....	5.25	1.18	2.90	.49	3.25	1.40	1.92	1.96		
September .....	4.30	1.85	4.27	.92	2.56	1.55	5.48	1.45		
October .....	3.89	1.07	1.68	1.70	4.78	3.43	3.09	.53		
November .....	1.12	3.18	.99	1.79	2.29	2.81	2.82	3.80		
December .....	2.12	2.35	2.71	1.29	.86	3.56	3.39	.65		
TOTALS .....	30.76	25.60	27.37	19.33	27.01	29.39	24.08	26.54	NR	

1882 Gauge moved 20ft on April 1  
wall 9ft high 27ft S  
hospital 30ft - 90ft N.

1887 Bishopwearmouth Ch 500 yards SW

1889 No Reply

Mowbray Park

RAINFALL AT Sunderland Fever Hospital

Lat.

Lon.

County of

Durham

Rain Gauge, by

Observer

Dr. Harris

N. Scarfield M.D.

Year 2

Diameter . . . .	8	5	.	.	5						
Height . . . .	0.8	1.0	.	.	1.0	5.0	1.0				
Altitude . . . .	109 ft	105	.	.	105						
Year . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .	1.87	.85	2.01	1.68	1.85	3.90	1.03	1.62	1.06	2.53	1.840
February . . . .	1.40	.03	1.98	2.50	2.40	1.14	.09	1.32	.79	.97	1.262
March . . . .	1.88	4.12	1.44	.66	.72	2.22	1.88	2.75	1.49	1.79	1.895
April . . . .	.51	1.67	1.04	.48	.54	1.32	.60	1.46	2.85	1.99	1.246
May . . . .	2.19	1.51	2.05	1.33	2.53	.77	.87	1.22	1.11	3.48	1.706
June . . . .	3.48	.33	2.71	1.85	3.84	1.39	1.02	2.51	1.40	2.58	2.061
July . . . .	1.52	3.71	1.36	3.16	2.88	6.49	2.10	1.25	.36	2.47	2.475
August . . . .	5.83	4.00	3.95	1.88	2.99	3.43	.94	3.60	.61	.92	2.815
September . . . .	1.79	1.84	2.88	1.57	.86	.41	1.93	2.45	1.01	1.82	1.659
October . . . .	2.58	1.79	5.33	.92	4.22	4.69	5.65	1.21	2.97	2.62	3.198
November . . . .	3.56	2.07	1.46	3.24	.50	2.04	1.30	1.89	3.58	1.59	2.123
December . . . .	1.41	2.87	1.51	1.47	1.37	2.08	3.78	1.27	1.14	3.59	2.049
TOTALS . . . .	28.02	24.79	27.72	20.24	24.15	29.88	21.19	22.55	18.37	26.36	24.327

1890 Bishopwearmouth 500 yards SW

Wall 9 ft high 36 ft S

Hospital 30 . . . . 81 . . . N

1896 St. Thomas' Ch 100 yards N

Fountain 12 ft high 9 ft S

RAINFALL AT Sunderland Fever Hospital Mowbray Park

Lat.

Lon.

County of

Durham

Rain Gauge, by

Observer... H. Penfield Esq. P.M.D.  
A.R. Fowley Esq M.A. M.C.H.

Wear - 2.

Diameter ..	5										
Height ....	10										
Altitude ..	105										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.64	1.64	.79	2.48	1.96	.31	2.64	.35	1.09	.62	1452
February ..	4.79	1.89	1.29	1.03	2.22	.71	1.14	1.22	1.04	1.32	1665
March ....	1.82	1.87	.68	1.06	1.01	1.44	1.08	1.04	2.64	4.09	1673
April.....	.81	.84	1.31	1.77	1.04	2.50	.85	2.17	2.65	2.53	1.647
May .....	1.18	2.46	2.22	2.13	2.65	.60	5.30	4.39	1.29	1.72	2394
June .....	3.77	1.64	2.40	2.95	1.46	.74	1.15	2.49	1.07	2.33	2060
July .....	1.96	3.02	2.64	4.79	1.34	1.07	.92	1.81	2.58	2.54	2267
August ....	5.14	2.53	2.09	2.48	2.77	2.52	2.23	2.39	1.62	2.73	2649
September..	.70	1.24	80	2.70	.88	1.92	.45	.41	1.71	1.78	1259
October....	7.32	1.93	2.38	8.24	.54	3.43	5.26	3.38	1.26	2.41	3615
November ..	2.68	4.87	1.41	2.52	2.73	4.45	2.70	1.60	1.18	1.17	2531
December ..	2.06	3.51	2.78	1.48	2.10	.81	2.17	2.77	1.10	3.72	2200
TOTALS ..	34.87	27.44	20.79	33.63	20.70	20.00	25.89	24.01	19.23	26.96	25352 452

D D S S D D

1901 Bishop Wearmouth Church 800 yards WNW

1903 Sunderland Station 150 yards NW

1904 Gauge is situated in Mowbray Park or near the Fever Hospital  
It is many years (?14) since it was placed in Mowbray Park

## RAINFALL at Sunderland Mowbray Park

County of Durham

Observer H. Kenney Jr. Ma.

River Basin Wear

2

*Rain Gauge, by.*

<sup>1912</sup>  
<sup>5</sup>  
<sup>1914</sup> Fountain 8 pt high 12 ft SE

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919	54° 53' 55" S	1° 40' 2" E	Sunderland Central	250 yds	NW	St Thomas	150 400 yds	N

## RAINFALL at Sunderland Mowbray Park

*County of Durham*

Observer H. Prentiss Esq M.D.

River Basin Year 3

D. A. Sturz - Hellebroughite  
Medical Officer of Health

Snowdon. Rain Gauge, by n+2.  
group of gal. won } 18.26.

1921 B. Gauge "exceeding old pattern & is alleged to be reading too high" 19.vi.22

	<i>fontanii</i>	life life	days	W.
hrs.	10 "	10 "	S.	
"	10 "	15 "	E	

1932. Garrywood 272 Oct. 100 yds. Plt. to new "London" brought into use.

monument 60 ft. high 100 yds. SW.  
tree 10 ft. 50 yds. W

Inspected 9/10. 10 ft. 50 yds. E. in iron fencing, 3 yds diameter + 4 ft. high, open fence with 5 in. spaces, on grass flat to S off base. Excellent exposure. Natural siphon gauge working alongside.

*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° 55'	1° 5'	Sunderland	200 yds	NW	St Thomas	300 yds	N
17-2			Central	200 yds	N.W.	-	440 yds	N.

## RAINFALL at Sunderland, (Mowbray Pk.)

County of Durham

Observer Medical Officer of Health,

River Basin Wear - 2.

Type of Gauge Standard (T.A.S) (1926)

Annual Average Rain. in. based on 37 years obs. un-weighted. Period of average 1931-1935 Ref. S

76242/26

Diameter	5.											Means
Height	1.0.											
Altitude	105.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.37	.65	1.72	1.70	2.32	2.38	2.39	1.89	3.74	2.14		
February	1.19	.71	2.16	.39	2.31	2.49	2.92	.83	2.46	2.22		
March	1.23	2.69	1.02	2.24	.58	1.77	3.22	.18	2.00	1.47		
April	3.01	1.02	.80	3.70	2.57	1.53	2.26	.14	.76	1.62		
May	2.28	4.20	1.14	.96	.97	1.64	2.75	2.83	1.08	1.19		
June	2.84	.98	1.86	1.85	2.17	2.64	1.82	2.48	1.57	1.35		
July	3.85	2.26	1.71	1.59	.36	2.50	2.67	2.51	2.70	6.88		
August	2.30	2.09	.99	3.28	1.71	2.65	1.78	.37	2.01	1.41		
September	3.16	1.69	1.58	1.27	4.53	2.26	1.89	.74	(1.20)	1.42		
October	1.21	3.14	3.69	2.90	3.35	1.27	1.87	3.05		2.47		
November	1.71	.92	4.16	2.25	3.09	2.46	1.93	2.34		3.04		
December	1.15	.61	1.90	3.42	2.29	1.54	5.48	2.72		2.36		
TOTALS	26.30	20.86	22.73	25.55	26.25	26.23	30.98	22.08	NP. imp.	27.57		
	D.	D.										

1931. War memorial 60' high 50 yds S.W. Tree 10' high 10 yds W. + SE  
Artificial lake 15 yds. N.

1937

1940. gauge moved Jan. 2nd. 1940. 20yds. E. War memorial 60' high 70yds W.S.W. Tree 12' high,  
[15' East]

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.			Central	380 yds.	N.N.W.	St. Thomas's	440 yds.	N.

Station No.

3550

## RAINFALL at Sunderland (Mowbray Pt.)

41

County of Durham

Observer Medical Officer of Health

River Basin Wear - 2

Type of Gauge Snowdon

Annual Average 25.6 in. based on 37 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 716242/26

Diameter	5"		025	725							
Height	1' 0"			1							
Altitude	105'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.10	2.38	3.08	72	4.75	1.66	1.32	6.78	1.59	1.51	
February	5.90	1.73	.40	1.64	1.03	1.49	2.14	.71	1.38	2.52	
March	2.15	.78	.61	75	39	1.06	4.40	.58	1.18	1.87	
April	0.99	.36	.73	1.89	1.19	1.30	2.36	1.41	1.30	1.65	
May	1.31	1.08	1.90	1.78	3.23	1.71	3.01	1.29	.52	1.82	
June	.34	1.01	1.67	2.26	(2.11)	3.57	1.87	4.51	.96	1.01	
July	1.37	3.16	2.42	3.13	(2.20)	5.68	2.77	1.19	1.57	4.31	
August	2.02	1.35	4.72	1.37	(4.63)	3.59	.32	4.77	1.89	6.442	
September	.63	3.22	3.30	5.18	2.08	3.56	1.55	2.27	.51	3.38	
October	3.77	2.45	1.60	3.34	2.34	.71	.27	1.33	2.59	1.98	
November	2.84	.89	2.95	4.17	.42	3.24	1.93	1.54	3.00	4.446	
December	.18	1.78	1.14	1.17	1.02	2.41	2.12	1.92	2.08	4.52	
TOTALS	25.60	20.18	24.52	27.40	(25.39)	26.98	24.06	28.30	16.57	33.45	
	D	D	D	d	d	D	D	D	D	D	

1941:- Var Ham. 60' high, 50yds SW. Tree 10' high to yellow. Sub. adt. in snow.

1945 June July &amp; Aug. part cutd - gauge stolen.

1950 Hedge 6ft. high 6ft. S.W. 01604

10

1949 Built off road

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
1941			Central	380 yds	N.N.W.	St. Thomas & St. Pauls, 1950	440 yds N.S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3550

RAINFALL at Sunderland (Moorley Park) (THE KNEHOLMS) V.SI

51

County of Durham

Observer Medical Office of Health

River Basin Wear 2

Type of Gauge Snowdon

Annual Average 25.6 in. based on 37 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 " 25.26 " 5 " 1952-56 " " " 1916-1950 3.  
 File No. 716242/26

Diameter ...	5"	0.25	725								
Height ...	1' 0"		1								
Altitude ...	130'		57								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.33	1.75	.91	2.56	1.79	3.79	1.61	1.42	2.86	4.77	
February	2.36	.68	2.21	1.83	2.14	1.73	1.50	3.71	.65	1.92	
March	3.33	1.24	.02	1.20	1.50	.61	1.07	4.01	.39	1.73	
April	1.18	1.52	2.21	.32	.77	.94	.45	1.73	1.40	.88	
May	4.23	1.37	1.54	2.25	1.57	.39	1.61	3.11	.42	1.92	
June	1.39	1.38	1.73	2.49	2.79	3.13	1.98	2.49	2.87	.27	
July	1.24	.85	2.53	1.85	.97	3.31	3.10	2.79	1.54	3.58	
August	4.37	1.69	4.50	4.51	.84	7.40	3.67	2.10	.53	2.28	
September	.82	4.02	1.12	1.91	.94	2.09	3.64	1.81	.55	1.98	
October	1.01	2.25	1.08	3.89	1.19	1.53	1.66	1.03	1.00	6.72	
November	4.82	3.33	.91	2.84	1.65	.92	1.05	.86	3.03	2.40	
December	2.49	2.68	.92	1.39	2.46	2.01	1.17	2.96	2.51	2.21	
TOTALS ...	28.57	22.76	19.71	27.04	18.61	27.45	22.51	28.02	17.75	30.66	
	D	D	D	D	1	d	D	D	D	D	

1951 Change around 22.V. '33 SW to Thundersley

Limestone site badly s/s so new gauge in slightly less s/s site some years later - site uncertain probably ~1954 Hb 23.02

N2(45) 392661

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference ..... 145451

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Sunderland	2600'	NE	St George's	880' E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1952	✓	✓	✓ np 39	✓	