

RAINFALL AT Portsmouth

60

East Cumberland

G. L. Lysman

Rain } By .....  
Gauge } Diameter.....in.

Height above Ground, ..... ft. 6... in.

Above Mean Sea Level, 21..... ft.

YEAR.....							1866	1867	1868	1869	MEAS.
January .....							4.53				
February .....							4.17				
March .....							1.66				
April .....							1.24				
May .....							.86				
June.....							2.08				
July .....											
August .....											
September ...											
October.....											
November.....											
December.....											
TOTALS .....											

c

# RAINFALL AT *Portsmouth Fort Cumberland*

80

Lat. ....

Lon. ....

County of .....

*Hants*

Rain Gauge, by .....

Observer .....

*H. P. Boulnois Esq. C.E.*

Diameter ....										5		
Height .....										1.0		
Altitude ....										24		
Year. ....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....									.64	.90		
February ....									.72	1.24		
March .....									2.78	1.33		
April .....									1.11	1.63		
May .....									1.34	2.37		
June .....									2.58	.47		
July .....									3.97	1.50		
August .....									1.78	1.38		
September....									.56	.51		
October ....									1.79	6.35		
November....									4.33	1.07		
December ....									1.12	1.22		
TOTALS ....									22.72	19.97		

1888 *Country 90 ft. h. 40 ft N*  
 1889 *Milton Church 1 1/2 miles NW*

# RAINFALL AT *Portsmouth Fort Cumberland*

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

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

County of \_\_\_\_\_

*Hants*

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

Observer \_\_\_\_\_

*P. Murch Esq. C.R.*

Diameter ....	8											
Height .....	10		9				10					
Altitude ....	24		16	<del>16</del>								
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	2.58		.56	1.32	3.20	2.30	.33	2.09	.50	2.99		
February ....	.17		.77	2.01	1.61	.00	.22	3.09	1.77	2.60		
March .....	.53		.65	.53	1.02	1.06	2.51	3.79	.44	.55		
April .....	2.32		.64	.04	1.72	1.66	.49	1.70	1.12	2.28		
May .....	1.24		.97	.64	.82	.11	.31	1.01	2.83	.80		
June .....	2.24		1.44	.80	1.70	.47	1.32	2.67	1.21	.45		
July .....	1.64		2.74	3.57	4.68	3.22	.54	.62	.17	2.85		
August .....	2.62		2.30	.42	1.16	2.55	1.68	2.66	1.23	.44		
September....	.60		2.17	1.19	3.59	.74	6.56	2.58	.98	1.93		
October .....	.68		3.56	4.12	4.29	2.26	2.26	.28	3.05	2.28		
November....	1.81		2.60	1.22	4.21	4.47	.34	.95	3.61	3.74		
December ....	.78		1.62	2.02	1.39	2.61	2.11	2.70	2.05	1.04		
TOTALS ....	17.51	91.8	20.02	17.88	29.39	21.45	18.67	24.14	18.96	21.95		

 1890 *Milton Church 2 1/2 miles NW*

 1893 *Tace chimney soft hpl 75 ft N*



# RAINFALL AT *Portsmouth Fort Cumberland Eastney*

Lat. .... Lon. .... County of *Hampshire*  
 Rain Gauge, by ..... Observer *P. March Esq. Ch.*

Diameter ..	8										
Height ....	0 9										
Altitude ..	16 $\pi$										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.15	.35	.90	1.69	3.06	.75	5.66	.51	.81	.90	1.778
February ..	4.04	.95	1.46	1.26	3.45	.44	3.21	.87	.67	.22	1.657
March ....	.86	2.01	1.69	2.01	.52	4.07	.83	.22	2.38	3.39	1.798
April .....	.88	2.16	.92	1.70	1.22	1.32	.57	2.92	1.82	1.37	1.488
May .....	1.02	.61	1.46	2.09	3.54	.40	1.76	1.81	1.24	1.37	1.530
June .....	2.43	1.10	2.83	1.83	.86	3.83	1.26	1.56	.59	2.50	1.879
July .....	.99	3.56	1.61	2.43	1.02	.18	.36	1.13	1.27	1.71	1.426
August ....	1.69	1.27	2.83	4.11	1.98	2.07	.58	.84	2.23	2.72	2.032
September ..	.39	1.90	.64	4.18	1.20	2.40	1.17	.47	.97	3.37	1.669
October ....	2.84	2.05	1.55	6.45	1.99	1.36	3.41	5.05	2.58	6.47	3.375
November ..	2.83	.31	2.52	1.79	1.02	3.76	3.73	2.08	1.16	.76	1.996
December ..	2.89	3.25	.89	1.85	3.07	.71	1.84	2.77	2.52	3.95	2.324
TOTALS ..	24.01	19.52	19.30	31.39	22.93	21.29	23.88	20.23	18.24	28.73	22.952

1900 Milton Church 1 mile N.W.

Tall Chimney 80 ft high 75 ft N

Water Station 1 1/2 mile W

1906 Gauge is on top of a covered tank used for storing the sewage of Portsmouth the surface forming the floor of the East face of Fort Cumberland

This gauge seems to give about five inches too little on the average. *es. 7.08*

# RAINFALL at Pottemouth Eastney

6145 10

County of Hampshire

Observer W. T. Landry C.R.

River Basin Schout Spithead 5

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

Diameter ...	8										
Height .....	6 6										
Altitude ...	16 K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.76	.82	3.27	4.35	.43	3.53	.96	1.13	3.27	5.54	
February ...	3.24	1.39	1.59	1.03	4.11	4.98	3.36	1.03	.79	2.13	
March .....	.83	1.32	3.32	2.95	4.35	.40	2.75	1.83	.93	3.84	
April .....	1.50	1.17	.07	2.14	.93	1.13	.65	1.74	1.80	1.56	
May .....	1.31	2.27	1.21	2.38	.49	3.11	1.25	1.82	1.35	.32	
June .....	1.71	1.43	2.95	.42	1.14	.69	1.15	2.53	.68	.73	
July .....	1.86	1.14	1.24	1.34	2.38	3.07	.56	1.83	2.34	.98	
August .....	3.32	.73	6.06	1.52	1.41	.76	1.11	5.07	2.20	2.85	
September ...	.04	1.33	2.41	3.00	1.07	2.50	1.71	.99	5.20	1.24	
October ...	3.70	5.16	2.72	4.39	1.95	2.97	3.65	3.50	1.07	.50	
November ...	3.36	5.34	1.66	2.62	3.39	2.53	3.54	.77	2.61	2.18	
December ...	3.56	7.55	3.38	1.96	7.88	7.47	3.74	.93	2.44	5.48	
TOTALS ...	27.19	29.95	29.88	28.10	29.93	33.14	24.43	23.17	24.68	27.35	

90 Churning Stack 90 ft high 30 yards S

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50.45	1.6 W	Fratton	1 1/2 m	WSW	S James Mutton	1.8 m	W

RAINFALL at Portsmouth (Eastney)County of HampshireObserver A. W. Ward Esq.River Basin Itchen & Spithead 5-R. J. Jenkins Esq. (1927)M.O. Rain Gauge, byCity Engineer (Portsmouth)

Diameter ...	8								8		
Height .....	0	6							12		
Altitude ...	16								20		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	3.91	3.45	4.01	1.40	2.57	4.26	3.86	1.85	3.67	1.16	2.99
February ...	.43	.40	2.49	4.52	.28	4.49	1.69	3.41	1.40	.87	1.32
March .....	1.70	.88	1.74	1.47	1.29	.26	.41	2.19	1.75	.07	1.07
April .....	2.00	1.05	2.85	2.78	1.87	2.33	2.23	1.64	1.83	.76	2.19
May .....	1.12	.89	.44	2.66	2.66	3.91	1.84	.74	1.88	1.50	1.01
June .....	2.10	.09	1.04	.81	2.80	.00	2.11	2.42	1.82	1.07	.99
July .....	4.83	.29	2.58	.83	2.37	3.47	1.14	2.44	1.19	2.51	1.25
August .....	.85	1.60	3.18	1.95	2.20	3.90	1.19	2.12	3.30	1.33	2.88
September...	1.89	.57	1.26	2.26	4.32	2.19	.77	4.86	.96	.28	1.90
October .....	3.97	1.01	.96	5.26	4.77	2.98	2.15	1.72	6.61	2.49	2.32
November...	1.25	2.34	1.71	1.42	2.06	3.16	6.34	2.92	2.86	4.90	3.84
December...	2.35	1.38	3.76	2.85	3.66	3.96	.29	3.83	2.97	4.67	2.64
TOTALS...	26.40	13.92	26.02	27.71	30.35	34.91	24.02	30.14	30.24	21.61	24.40
	D	D	D	D	D	D	D	D	D	D	D

1920 Chimney stack 9 ft high 30 yds S

1928. Gauge removed 1.1.28. 60 yards S.S.W.

Chimney Stack 9' high 30 yds N.E.

1929 ? 6' low.

1930. Low n.p. low.

Position 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	50° 45'	1° 6'	Fratton	1 1/2 mi	W S W	St. James Millton	1 mi	W



RAINFALL at Portsmouth (Eastney)County of Hampshire Observer The City Engineer.River Basin 5. Itchen & Spithead.Type of Gauge NO. (A)

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

817075/88.

Diameter	6"											
Height	1' 0"											
Altitude	20'		12'	12'								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	1931-40
January	1.76	2.46	1.86	2.09	1.42	4.22	5.22	2.80	4.40	3.21	28.44	
February	1.09	.06	3.28	-	3.02	2.75	4.12	.45	1.10	2.50	18.37	
March	.97	1.28	2.59	3.09	.84	1.48	3.27	.35	.99	2.70	17.26	
April	2.20	2.38	1.06	1.85	2.56	1.39	1.47	.01	2.17	.90	15.99	
May	2.53	3.08	2.04	1.00	.87	.11	1.20	1.31	1.13	.51	14.68	
June	1.22	1.21	1.00	1.10	1.97	2.99	.72	.55	.96	.16	11.94	
July	2.15	2.28	1.31	1.06	.92	3.49	1.28	1.31	2.03	2.82	18.65	
August	2.40	1.20	0.65	2.79	2.67	.15	.89	.93	1.26	.01	12.95	
September	1.41	2.43	3.08	1.68	3.00	3.08	2.10	1.38	0.67	1.49	20.32	
October	.44	5.04	2.01	1.51	4.03	.62	2.43	3.12	5.73	3.22	29.05	
November	3.28	1.33	0.42	2.71	6.99	4.66	1.75	3.73	4.55	7.67	37.09	
December	.76	.62	0.71	7.24	3.24	1.86	4.72	2.07	1.22	1.88	24.32	
TOTALS	20.21	25.17	20.07	26.12	30.23	26.80	29.17	18.01	26.21	27.07	249.06	

1931. Siphonary stack 90' high, 30 yds. low.

1931 low up

1932. Inf. well erected Dec 10th '31. Return now O.K.

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	Direction from gauge
1931			Shalton	1/2 m	W.S.W.	St. James' Millon	1 m.	W

Station No. 676/5RAINFALL at Portsmouth (Eastney)

41

County of HampshireObserver The City EngineerRiver Basin Gitchin & Spithead 5

(J. Parker 1949)

Type of Gauge M.O. (+) ~~GT~~ Glaisher

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

" " 25.3 in computed by Mr Cornish (1936)File No. 817075/2.9

Diameter	8"				300	485						
Height	1' 0"					1						
Altitude	12'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
January	3.38	2.90	4.50	1.90	1.19	1.85 (2.99)	4.73	.58	.85		24.87	
February	2.43	.49	1.39	.52	1.45	2.60	2.25	.94	.97	2.55	15.59	
March	3.04	2.44	.62	.13	.71	.91	5.35	.67	1.50	1.06	16.43	
April	1.73	1.34	.77	1.14	1.06	2.14	1.66	1.42	1.01	1.67	13.94	
May	1.50	2.72	2.64	.42	1.79	3.25	.90	1.94	1.14	1.27	17.57	
June	.16	.45	1.06	1.09	1.64	2.30	1.36	1.47	.58	.90	11.01	
July	2.71	1.20	2.29	2.02	3.98	1.92	1.19	.86	.26	3.19	19.62	
August	3.32	2.14	.90	1.68	1.35	4.08	.85	2.91	.89	2.00	20.12	
September	.90	1.83	1.41	1.38	1.42	2.51	1.04	1.47	2.36	2.30	16.62	
October	.93	2.91	2.69	3.56	3.36	.70	1.17	1.68	6.90	.29	24.19	
November	2.48	1.18	1.14	4.68	.29	3.89	1.19	1.70	3.41	4.52	24.48	
December	1.27	3.16	2.38	2.33	3.58	2.53	2.44	3.85	2.05	1.76	25.35	
TOTALS	23.85	22.76	21.79	20.85	21.82	28.68	22.39	23.64	21.65	22.36	229.79	

1941. Chimney stack 90 high 25' S. Compass station 14' high 27' 60 SE  
 1947 Jan pt. cut for snow.  
 1950 n.p. low.

40004

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.
1941			Fratton S.R.	1 5/8 m	WNW	St. James	1 1/8 m	WNW

BRITISH RAINFALL ORGANIZATION



Station No. 67615

## RAINFALL at Portsmouth (Eastney)

51

County of Hampshire Observer The City Engineers

River Basin Otter &amp; Spithead 5

Type of Gauge 12. Glanther SNOWDON

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

25.3 in computed by W. Cornish (1935) Pile No. 817075/28  
ref 561245/36

Diameter ...	8"				322	485					
Height ...	1'0"					1		0' 11"			
Altitude ...	12'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Totals
January ...	2.89	2.15	1.08	1.54	3.10	4.03	2.11	4.32	3.37	3.77	28.36
February ...	5.49	.54	1.13	2.65	1.28	.04	4.13	2.71	.08	3.08	21.13
March ...	3.88	2.26	.37	3.32	1.10	.22	1.48	1.11	1.85	1.60	17.19
April ...	1.97	1.17	1.02	.36	.31	1.61	.15	.61	1.81	.65	9.66
May ...	2.38	1.79	2.26	2.33	3.51	.41	.70	2.64	.27	1.46	17.75
June ...	1.44	1.33	1.45	2.50	2.42	1.74	1.21	2.44	.26	1.66	16.45
July ...	1.90	.24	2.49	2.28	1.14	1.95	4.23	2.23	3.19	2.38	23.03
August ...	3.45	1.84	1.68	2.45	.82	3.44	2.15	3.76	3.51	4.15	27.25
September ...	3.13	4.45	3.06	2.53	1.90	2.43	3.33	3.31	.13	4.56	28.83
October ...	1.08	3.57	2.83	2.28	2.13	1.23	1.68	1.79	2.45	7.32	26.36
November ...	6.44	3.95	1.51	5.35	1.50	.61	2.93	2.17	3.88	5.22	33.56
December ...	2.68	2.53	.67	3.03	4.36	4.30	1.79	3.76	6.86	4.11	33.49
TOTALS ...	36.73	25.82	19.55	31.62	23.57	22.01	25.89	30.25	27.66	39.96	283.06
	D	D	D	D	D	D	D	D	D	D	

1951. Rather low totals due to move of gauge to windy site without turf wall.  
chimney stack & compressor station 90' high 35yds, 14' high 27yds. SE.

1953. Turf wall rebuilt

1958 FEB. 1958 J.B.D.K. overhauled. Turf wall in good condition

Position of Station on Ordnance One-Inch map: No. of Map 181 National Grid Reference 52684993

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Fratton	1 1/2 W.N.W.	St James	1/6 W. W.N.W.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			✓ NP 31	✓ NP 50	
			✓	✓ but d 43-45	