

RAINFALL AT PotowmackFort Cumberland

by L. S. Chapman

Rain (By  
Gauge) Diameter..... in.

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

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

YEAR.....					1866	1867	1868	1869	MEANS.
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 CumberlandLat.Len.County ofHantsRain Gauge, byObserver H.P. Bouleau Esq. C.E.

Diameter ....										8	
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	

1858 Guntry 90 ft <sup>60</sup> 40 ft N  
 1889 Milton Church 1½ miles NW

RAINFALL AT Portsmouth Fort Cumberland

Lat.

Long.

County of

Hants

Rain Gauge, by

Observer

9 March 1893

Diameter .....	8										MEANS.
Height .....	10	9						10			
Altitude .....	24	16									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	
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 .....	.83	.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	.01	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 miles NW

1893 Tall chimney 80 ft high 75 ft N

RAINFALL AT Portsmouth Fort-Cumberland Eastney  
 Lat. .... Lon. .... County of New Hampshire  
 Rain Gauge, by ..... Observer P. Monach Esq C.R.

Diameter ..	8										
Height ....	0.9										
Altitude ..	16 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
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	.67	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	2.09	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 ✓

MAB

1900 Milton Church 1 mile N.W.

Tall chimney 80 ft high 75 ft N

Mallot Station 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 ab. 7.08

RAINFALL at Pottemouth EastneyCounty of HampshireObserver A.W. Ward Esq. C.E.River Basin Ichen & Spithead 5

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

Diameter ...	8										
Height .....	6										
Altitude ...	16										
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 .....	.80	1.32	3.32	2.95	4.36	.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	.89	3.11	1.25	1.82	1.35	1.32	
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	3.07	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	7.85	8.38	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	
											3 imp.

90 Chumming 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	1/2 m	WSW	S James Molt	1 m	W

RAINFALL at Portsmouth (Eastney)

County of Hampshire

Observer A. R. Ward Esq.

River Basin Itchen &amp; Spithead 5

R. J. Jenkins Esq. (1927)

M.O. Rain Gauge, by

City Engineer (Portsmouth)

Diameter ...	S									8	
Height .....	6									12	
Altitude ...	16									20	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	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 ...	4.43	4.40	2.49	4.52	2.28	4.49	1.69	3.41	1.40	.87	1.32
March .....	1.70	.85	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	2.93	2.23	1.64	1.83	.76	2.19
May .....	1.12	.89	4.4	2.66	2.66	3.91	1.84	.74	1.86	1.60	1.01
June .....	2.10	.09	1.04	.31	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	.251	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	2.69	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 30yds NE

1929 ? 6' low.

1930. Low np. ~~low~~.

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

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	50° 45'	1° 6'	Fratton	1.2 mi	WSW	St James Millon	1 mi W

RAINFALL at Portsmouth (Eastney)County of HampshireObserver The City EngineerRiver Basin 5-Itchen SpillheadType of Gauge M0 (+A)

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

Ref.

817075/R8.

Diameter	6"										Means
Height	1' 0"										ETAB
Altitude	20'		12'								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
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	0.6	3.28	-	3.02	2.75	4.12	1.45	1.10	2.50	18.37
March	.97	1.28	2.59	3.09	1.54	1.48	3.27	1.35	.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	3.98	2.04	1.00	.87	.11	1.20	1.31	1.13	.51	14.68
June	1.22	1.21	1.06	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	5.94	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	1.67	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. Sounding stack 9 ft high, 30 yds. low.

1931 low up

1932. Surf well erected Dec 10th '31. Return now 0.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	Parish Church.	Distance from gauge	Direction
1931			Shuttle	1/2 m	WSW	St James' Merton	1 m.	W

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

Station No. b7b/5

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## RAINFALL at Portsmouth (Eastney)

County of Hampshire

Observer The City Engineer

River Basin Gidea &amp; Spithead 5

(I. Parker 1949)

Type of Gauge M.O. (+) Glasser

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

Ref.

" 25.3 in computed by Mr Kornish (1936) File No. 817075/2a

Diameter	8"			302	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. Confused station 14' high 27° 30' SE  
 1947 few pt. est for snow.  
 1950 n.p. low.

40004

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

Station No. 67615

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## RAINFALL at Portsmouth (Eastney)

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County of Hampshire

Observer The City Engineers

River Basin Itchen + Spithead 5

Type of Gauge. Glaisher SNOWDON

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

Ref.

25.3 in computed by Int Cornish (1936)

File 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	5.4	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	"10	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	1.94	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	3.16	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	I	D	D	D	D	D	D	D	D

1951. Rather low totals due to move of gauge to windier site without turf wall.

§ Climbing stick &amp; compressor station 90' high 35yds, 14' high 27yds. SE.

§ 1953. Turf wall rebuilt

INSP. FEB. 1958 J.H.O.K. overhauled. Turf wall in good condition

0

(40)

Position of Station on Ordnance One-Inch map : No. of Map 181 National Grid Reference S2684993

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Portsmouth	1%	W.N.W.	St James	1/4mi. 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	