

RAINFALL AT Portsmouth Milton
 Lat. _____ Lon. _____ County of Hants
 Rain Gauge, by _____ Observer Dr Mumbay
2nd floor

Diameter	5											
Height	10											
Altitude	18											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.06	2.37	.88	1.73	4.39	3.19	.70	2.71	.45	2.78	2.226	
February40	.03	.93	2.95	2.21	.02	.38	3.31	2.13	3.07	1.538	
March94	2.31	.96	.49	1.48	1.64	3.02	4.69	.58	.67	1.678	
April	2.72	.97	.76	.04	1.83	2.18	.64	1.62	1.15	2.46	1.438	
May	2.01	2.31	.99	.78	1.02	.19	.53	1.39	3.16	.71	1.309	
June	2.64	2.27	1.92	1.32	1.77	.75	1.44	2.80	1.50	.81	1.502	
July	3.27	1.71	2.80	3.62	4.79	3.58	.78	.63	.30	3.47	2.195	
August	3.17	5.01	2.86	.58	1.79	2.75	1.63	3.65	1.52	.81	2.344	
September....	.62	1.26	2.62	1.88	3.03	.81	8.51	2.82	1.05	2.36	2.696	
October.....	.97	6.49	3.76	4.94	5.35	4.23	2.96	.39	3.38	2.55	2.502	
November....	2.07	3.00	2.85	2.14	6.39	5.11	.94	1.37	4.20	4.97	3.304	
December....	.78	3.52	1.94	2.68	1.93	3.14	4.06	2.94	3.23	1.10	2.532	
TOTALS ...	22.65	31.25	23.27	23.15	35.98	27.59	25.54	28.33	22.65	25.76	26.617	

1890 St Marys Church 2/3 mile W
 Thermo. Screen 5' 2" high 12° 6° N
 1897 St James Church 850 yards S

RAINFALL AT Portsmouth Milton Victoria Park

695

Lat. Lon. County of Hampshire.....Screen Rain Gauge, by Observer Dr Fraser Cowes Haven

Diameter ..	5										
Height ..	10										
Altitude ..	187										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.54	1.17	.91	2.12	3.95	1.08	7.14	.79	.92	.85	2.247
February ..	5.26	1.42	1.63	1.61	3.72	.51	3.25	1.06	.99	.27	1.971
March ..	1.00	2.23	2.03	2.46	1.03	4.43	1.21	.34	2.45	3.73	2.111
April ..	1.36	2.34	1.28	2.50	1.38	1.57	.68	3.48	2.15	1.36	1.810
May ..	.93	.58	2.08	2.49	4.02	.41	1.60	2.57	1.41	1.28	1.737
June ..	1.69	2.62	2.87	2.19	.87	3.93	1.52	2.04	.68	3.90	2.281
July ..	1.10	2.89	1.77	2.61	1.26	.25	.43	1.14	1.31	2.04	1.480
August ..	2.04	1.38	4.13	4.33	2.39	2.48	.86	.88	2.33	2.52	2.334
September ..	.29	2.25	.51	2.99	1.76	2.38	1.43	.53	1.05	3.56	1.675
October ..	3.50	3.08	1.85	7.90	2.06	1.98	4.86	6.99	2.87	7.57	4.206
November ..	3.33	.38	3.57	1.71	1.30	4.51	4.27	2.47	1.36	.70	2.360
December ..	3.37	3.96	1.59	2.27	2.94	.63	1.51	3.04	3.48	4.62	2.741
TOTALS ..	28.40	24.30	24.22	35.18	26.68	24.06	28.76	25.33	20.50	32.60	27.003 ✓

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1902 St Thomas ^{1/2 mile S}

Screen 5' 2" high 6' 9" N

1903 Portsmouth Town Station 250 yards E

RAINFALL at Portsmouth Victoria Park

10675

County of HampshireObserver D' a Mearns Fraser

Cutham

River Basin Itchen + Spithead 5Plancher Rain Gauge, by
1916 Sunderland

Diameter ...	5										
Height	10										
Altitude ...	18 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.R.A.N.E.
January ...	3.14	.72	3.60	4.34	.62	4.48	.95	1.11	3.62	5.50	16.9
February ...	3.58	1.44	1.91	1.17	4.41	5.14	4.42	1.22	.97	2.55	11.18
March	1.12	1.58	3.79	2.75	4.73	.78	3.46	2.55	.92	4.35	9.16
April	1.70	1.52	.12	2.65	1.47	1.28	.84	1.97	2.16	1.84	11.28
May	1.42	1.53	1.08	2.45	1.22	3.52	1.80	2.13	1.36	.30	6.81
June	1.76	1.56	3.00	.43	1.87	.70	1.47	2.88	.87	.77	5.09
July	2.16	.64	1.70	1.64	2.27	3.38	.68	2.85	2.42	.84	5.99
August	2.60	1.79	5.87	1.78	1.58	1.19	1.84	6.03	2.28	2.73	16.38
September ..	.09	1.15	2.62	2.82	1.13	3.06	1.78	1.12	5.52	1.72	10.18
October ...	5.06	4.88	2.91	4.80	2.78	3.50	4.28	3.82	1.23	.65	9.98
November ...	3.93	4.99	1.76	2.91	3.48	2.57	4.00	.84	2.06	2.29	0.19
December ...	4.85	6.21	3.59	2.22	9.07	7.81	4.01	.91	2.39	5.35	18.66
TOTALS ...	31.36	30.21	31.95	29.96	33.13	37.41	28.48	25.93	25.80	28.89	303.12

1916 Drill Hall soft high 150 ft E

+ I reported

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910. 17.	50° 47' 44" N 44	1.55 W 1.6	Portsmouth	106.46 258.46	S E W	St Thomas	1 m	S

C
RAINFALL at Portsmouth Victoria Park

County of Hampshire

Observer Dr A. Mearns Fraser

River Basin Itchen & Spithead

Medical Officer of Health (1926)

Snowdon Rain Gauge, by

Diameter ...	5"												
Height	1	0											
Altitude ...	15'												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.		Total
January ...	3.69	3.15	4.29	1.52	2.67	4.50	4.34	2.27	4.70	1.85	4.21		36.72
February ...	1.50	1.44	2.82	4.88	1.41	4.75	1.89	4.15	1.75	1.25	1.41		24.25
March	1.94	1.00	2.04	1.67	1.43	1.54	1.88	2.62	1.92	.12	2.32		15.98
April	2.23	1.07	3.50	3.19	2.46	2.40	2.72	1.79	1.87	.84	2.28		24.35
May	1.36	1.05	.59	2.89	2.92	4.14	1.76	.73	1.41	1.96	1.35		20.16
June	2.23	.05	1.55	.32	3.28	.00	2.56	2.71	2.11	1.81	.71		16.83
July	5.18	.28	3.19	.75	2.62	3.57	1.13	2.28	1.52	1.68	1.55		23.75
August92	1.90	3.00	1.89	2.61	4.87	1.15	2.27	2.64	1.69	3.66		26.60
September...	1.89	.67	1.69	2.13	5.73	2.31	.52	5.79	1.20	1.44	2.77		26.14
October.....	3.13	.78	1.07	5.79	5.34	3.27	2.65	1.63	4.05	3.61	2.92		37.24
November...	1.67	2.35	1.73	1.33	2.50	3.56	6.88	3.04	3.17	7.31	4.86		38.40
December...	2.76	1.49	4.33	3.18	4.09	4.19	.40	4.71	3.22	6.46	3.01		37.84
TOTALS...	27.50	14.23	29.80	29.54	36.06	38.10	26.41	33.09	32.56	28.02	31.05		327.26
	2	2	2	2	2	2	2	2	2	2	2		2

1920 Drill Hall 50ft high 150 ft E.

1925 Town Hall 100ft " 200 yds S.

1926 Drill Hall 50 .. 100 .. E.

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

Reference No. _____

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1920	50° 48'	1° 6'	Portsmouth Town	100yds	S E	St. Thomas	1 mi S

RAINFALL at Portsmouth (Victoria Park)

M.W.R.

County of Hampshire

Observer Dr. A. Mearns Fraser.

River Basin Itchen & Spithead 5

Medical Officer of Health.

Type of Gauge 140

Annual Average 27.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of R.

Diameter	5											5"	
Height	10											1.0"	
Altitude	15											W'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TOTALS	Means	
January	2.16	2.80	2.07	2.29	6.5	4.61	6.20	3.54	4.89	3.00	32.21		
February	1.59	1.18	3.30	0.02	3.81	2.81	4.69	5.54	1.43	3.81	22.18		
March	1.13	1.43	2.87	3.00	8.2	1.85	3.60	1.44	1.12	2.64	18.90		
April	3.04	2.24	1.28	2.09	2.93	1.78	2.01	1.02	2.44	1.32	19.15		
May	3.33	4.17	1.94	1.20	.79	1.12	1.04	1.62	1.12	.63	15.96		
June	1.53	1.50	1.18	.98	2.26	2.81	1.09	1.48	1.12	.17	13.12		
July	3.13	2.47	1.36	.89	1.54	3.35	1.41	1.28	2.18	2.85	20.46		
August	2.74	.93	.58	2.83	3.27	.14	1.19	2.15	1.36	.00	15.19		
September	1.86	2.81	3.38	2.18	4.20	3.03	2.27	1.59	.72	1.50	23.54		
October	.57	6.23	1.86	1.84	4.86	.74	2.69	3.57	6.26	3.72	32.34		
November	3.66	1.36	.62	3.73	7.73	5.03	1.86	4.29	5.22	7.87	41.37		
December	.61	1.03	.61	8.80	3.44	2.54	4.99	2.72	1.85	1.92	28.51		
TOTALS	25.35	27.15	21.05	29.85	36.30	28.81	33.04	22.24	29.71	29.43	282.93		

1935 Inspected 17/6/35. Site as satisfactory, watch is being kept on growth of adjacent trees.

1936. New gauge (No. 1832) purchased on 25.6.36.

1936. Inspected 22.10.36. New gauge as above, otherwise no change.

1939. Survey report - Elevation 40-50 ft. above sea-level per admea. Will be checked.

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

RAINFALL at Portsmouth (Tuckers Park)

Station No. 675 DO. M.R.
Southern Common

County of Hampshire

Observer Medical Officer of Health

River Basin Gt. Western S. Pithead 5.

Type of Gauge M.O.

Annual Average 27.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.C.H.

File No.

Diameter	5"	Lgd	No.	322500		322	500	Lgd	No. 322500		
Height	1' 0"	M.R.	52(40)	640003				3	M.R. 52(40) 637991		
Altitude	15'	alt.	2m		7'		41	alt. 2m			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.12	2.76	5.51	1.94	1.85	2.06	3.26	4.94	.62	.73	Totals 27.79
February	2.55	.59	1.41	.72	1.53	2.96	2.09	1.21	.96	5.03	17.05
March	3.56	2.69	.67	.18	.60	1.08	5.83	.67	1.54	1.27	18.09
April	1.77	1.48	.84	1.46	1.10	2.41	1.65	1.41	1.12	1.74	14.98
May	1.58	2.81	2.56	.51	2.00	3.64	1.26	2.57	1.49	1.66	20.08
June	1.22	.51	1.20	1.43	1.97	2.67	1.59	1.73	.61	1.20	14.13
July	2.24	1.30	2.77	2.60	3.25	1.59	1.37	.85	.23	3.26	17.46
August	4.21	2.13	1.13	1.98	1.53	4.54	1.05	3.36	1.16	2.19	23.27
September	.96	1.67	1.27	1.48	1.62	3.08	1.20	1.65	2.19	2.72	17.84
October	.92	3.15	2.27	3.85	3.07	.79	1.46	1.81	8.11	.45	25.98
November	1.82	1.09	1.25	5.13	.50	4.33	1.41	1.81	3.25	4.63	25.22
December	.93	3.44	2.45	2.56	4.10	2.49	3.10	3.94	1.89	2.10	27.00
TOTALS	25.88	23.62	23.33	23.94	23.12	31.64	25.27	25.95	23.17	26.98	252.90

1945 Oct. Stem 7 gauge broken & replaced. New g. to be supplied

1946 July. Site changed to Southern Common - the same average very biased. New altitude is 10.10.49. Inspected by Mr. Brown. Condition of gauge satisfactory (some data in centre, 6' ft. from ground).

Tree 20 ft high, 40-50 yds distant SW-S.E. House 50-60 ft high, 70-90 yds to N.W. Watch must be kept on growth of trees and this must be kept checked. Site satisfactory, but recommended to change enclosure.

22/2/50 Q.M. Mr. R. H. Pedlow. Gauge sheltered by screen 6' to N.

225.92

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series | No. of Map.....

Reference No. 52(40) 637991

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Station No. 675

M.W.R.

RAINFALL at Portsmouth (Southsea Common)

51

County of Hampshire

Observer Medical Officer of Health

River Basin Itchen & Spithead 5

Type of Gauge M.O.

Annual Average 27.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915. Ref. A 51 N
 27.78 " " " " 1916-1950 P
 File No.

Diameter	5"			302	500						
Height	1' 0"				3						
Altitude	7'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.23	2.27	1.12	2.16	3.43	4.38	2.06	4.01	3.23	3.85	29.14
February	5.69	.61	1.20	2.48	1.61	.10	4.25	2.75	.15	2.98	21.82
March	3.93	2.53	.38	3.18	1.20	.25	1.51	1.31	2.11	1.75	18.21
April	2.22	1.20	1.27	.31	.28	1.93	.12	.62	1.76	0.88	10.39
May	2.19	2.00	2.34	2.31	3.54	.62	.80	2.53	.25	1.60	18.18
June	1.65	1.47	1.40	2.74	2.71	1.95	1.75	2.81	.47	1.90	18.65
July	2.30	.25	2.50	3.01	1.07	2.07	3.53	1.88	2.57	2.72	21.90
August	3.84	2.18	1.51	3.10	1.02	4.89	1.93	3.67	2.51	5.72	30.43
September	3.06	5.01	2.61	2.39	1.71	2.37	2.75	4.00	.13	5.37	29.40
October	1.42	3.70	3.05	2.15	2.30	1.13	1.71	3.33	2.57	7.58	21.94
November	7.02	4.30	1.63	5.48	1.82	.61	2.67	2.10	3.78	5.81	35.22
December	2.69	2.62	.65	3.42	3.92	4.21	1.78	3.66	7.11	3.79	33.85
TOTALS	39.24	28.14	19.72	32.73	24.61	24.11	24.92	31.67	26.64	43.95	295.73
	P	P	P	P	P	P	P	P	P	P	P

Prop H. Pedlow 6.5.53. Some roof miss 1950, stem moved 100yds W. to less sheltered site

Satisfactory except the gauge is loose in ground. And 30' x 20' wood & iron building

True S 40° E. unlikely to give much bigger

1957 - Slightly low, but accept.

Jup. H. Garrett 22.5.57. - Satisfactory but gauge badly dented. Suggest repair or replacement

New gauge installed 13.7.57.

Minor site move from 52(60) 63° 9' 90° to 52(60) 63° 7' 90° on 9/2/53.

No change in Hgt. No.

1958 Site - Name changed for Health Service purposes at request of authorities for Publicity Dept., Portsmouth Southern.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 52(11) 63° 7' 90°

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓	✓ b/w d 49