

# RAINFALL AT Banstead Burgh Heath Reservoir

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

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

County of Surrey

Rain Gauge, by H. Chasco. Wandle.

Observer W Vane Jones Esq. C.E.

Diameter . . .											5	
Height . . . . .											10	
Altitude . . . .											570	
Year . . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January . . . .										3.23		
February . . . .										3.04		
March . . . . .										.76		
April . . . . .										2.89		
May . . . . .										1.62		
June . . . . .										1.13		
July . . . . .										.60		
August . . . . .										.57		
September . . .										2.59		
October . . . . .										2.36		
November . . . .										5.37		
December . . . .										2.17		
TOTALS . . . .										26.33		

all rain into Banstead 1/4 mile N.E.

1900 Jan. 3.82, Feb. 5.32, March .84, April 1.25, May 1.30,  
June 2.47.

# RAINFALL AT *Banstead Bury Heath Reservoir*

Lat. .... Lon. .... County of *Surrey East*  
 Rain Gauge, by *N.F.J.* Observer *W. V. K. Gibson Esq. C.E.*  
*4/ Thames New Gauge* *N.F.J.* *2 on Johnson's Co. spec*  
*Wandle* *N.F.J.* *Sutton & Co. Ltd. Co.*

Diameter ..		5							5		
Height ....		1 0							1.6 1.0		
Altitude ..		570							600 570		
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..		1.39	.77	2.60	5.20	1.32	4.95	1.07	1.85	1.46	
February ..		1.56	1.21	2.35	3.79	1.08	2.41	1.78	1.10	.83	
March ....		2.67	1.65	3.30	2.40	4.36	1.28	.91	3.23	4.45	
April .....		2.26	.80	2.10	1.92	2.04	.46	3.90	3.13	2.09	
May .....		.83	1.90	3.45	2.47	1.15	1.41	1.94	2.28	1.76	
June .....		1.36	4.82	7.00	.97	5.14	2.57		2.17	3.65	
July .....		1.81	1.10	5.80	1.38	1.56	.50		3.65	4.30	
August ....		1.87	3.10	5.90	1.87	3.26	.67	2.37	3.60	2.50	
September..		1.72	.65	3.20	1.51	2.34	1.75	60	1.66	3.72	
October ....		2.93	1.90	7.11	2.63	1.74	4.31	4.98	2.61	5.30	
November ..		.65	2.40	3.15	1.94	4.68	4.96	2.80	.92	1.33	
December ..		4.67	2.16	2.60	2.99	.84	1.58	3.80	2.74	3.88	
TOTALS ..		23.72	22.46	48.56	29.07	29.51	26.85		28.94	35.27	

1902 All Saints Banstead 1 1/4 Miles NE

Tattenham former Station 3/4 " W

1907 June July Gauge stolen.

1908 Kingswood Station 1 1/4 Mile SE NE

# RAINFALL AT Banstead Long Heath Reservoir

Lat. 51. 18. N

Lon. 0. 12. W

County of Surrey

W/ Thames. Wandle

Rain Gauge, by N.T.G.

Observer W. T. Spahrmanley cl.

Monthly

Diameter ..						5					
Height ....						10					
Altitude ..						570 ft					
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						1.34	4.58	1.07			
February ..						1.09	2.43	1.83			
March ....						4.39	1.31	1.80			
April .....						2.07	.48	3.55			
May .....						1.18	1.43	1.92			
June .....						5.16	2.57	1.94			
July .....						1.57	.52	1.19			
August ....						3.27	.68	2.35			
September ..						2.35	1.77	1.54			
October ....						1.76	4.34	4.65			
November ..						4.71	6.01	2.99			
December ..						.87	1.61	3.94			
TOTALS ..						29.76	27.03	26.78			

1905 All Saints Ch Banstead 2840 ft. N.E. 1907 1 1/4 mile N.E.  
 1906 Tattenham (near) Station 3/4 " W  
 1907 Kingwood Station 1 7/8 mile S  
 1907 N.R. gauge stolen



RAINFALL at Banstead Bough Heath ReservoirCounty of SurreyObserver W. Yancey Graham Esq. C.E.River Basin Thames-Wandle 4Rain Gauge, by N43

Diameter ...	5											
Height .....	1 0											
Altitude ...	570 <del>ft</del>											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	916 -19 SUMS
January ...	2.39	1.69	3.64	4.67	1.12	4.93	1.37	1.56	3.26	4.06	2.869	1025
February ...	4.46	1.51	3.54	1.14	4.96	5.32	5.52	.73	1.23	2.92	3.133	104
March .....	1.47	2.21	4.74	3.27	5.13	.95	5.86	1.86	1.13	4.23	3.085	13.8
April .....	1.89	2.34	.27	3.47	.90	1.81	1.39	2.71	4.05	3.59	2.242	11.74
May .....	2.14	4.44	1.38	2.16	1.64	2.92	2.48	1.70	1.81	.12	2.079	6.11
June .....	2.29	2.79	3.34	.55	1.27	.95	2.28	1.78	1.28	1.20	1.768	6.49
July .....	2.63	.65	1.65	3.45	2.79	4.32	1.68	5.92	5.81	2.36	3.116	15.77
August .....	3.41	1.18	6.77	3.18	1.86	2.19	3.59	5.37	1.05	3.07	3.167	13.8
September ..	1.13	1.42	4.11	2.29	1.02	2.88	1.86	2.43	4.96	1.78	2.388	11.03
October ...	3.66	4.45	3.21	4.59	1.87	2.87	4.92	3.95	1.88	.87	3.227	11.62
November ...	3.75	4.87	2.54	4.00	4.01	3.18	6.01	1.53	2.98	1.78	3.465	12.30
December ...	5.12	7.23	3.66	1.22	9.06	6.02	3.51	1.79	2.75	4.73	4.509	12.78
TOTALS ...	34.34	34.68	38.85	33.99	35.63	38.34	40.42	31.33	32.19	30.71	35.048	9

134.65  
74

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
90			Kingswood S.E. Ry	1.12 m	SE	Banstead	1 1/4 mil	NE

RAINFALL at Banstead Burch Heath ReservoirCounty of SurreyObserver H. Vase Graham Esq. C.E.River Basin Thames-WandleM.O. Rain Gauge, by 293

Diameter ...	5						5					
Height .....	1.0						1.0					
Altitude ...	600						600				570	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>	Means
32.48 January ...	2.80	2.19	3.57	1.08	2.73	2.28	4.41	2.93	4.44	1.55	3.70	2.95
24.80 February ...	.75	.33	2.89	4.35	.76	4.26	3.12	5.02	1.99	.48	.85	2.25
19.48 March .....	2.20	1.68	2.62	2.32	.86	.95	.48	3.63	2.69	.11	1.94	1.77
31.40 April .....	3.41	1.36	3.38	2.63	4.05	3.68	4.08	2.25	2.00	.80	1.76	2.86
23.53 May .....	.72	2.63	1.12	2.83	3.45	2.34	1.87	1.56	2.06	1.98	2.97	2.14
20.64 June .....	1.81	.15	1.27	.46	2.39	.18	4.96	4.52	3.00	1.37	.53	1.88
34.48 July .....	5.06	.57	4.50	3.89	3.81	3.91	2.48	3.83	1.98	1.81	2.94	3.16
30.27 August .....	1.68	1.51	2.60	3.38	3.49	3.15	2.23	4.70	2.44	1.94	3.15	2.75
28.52 September...	3.42	1.15	2.23	1.48	3.40	3.40	1.22	6.70	1.11	.15	4.26	2.59
34.40 October .....	1.16	.80	1.39	6.48	4.29	3.51	3.72	1.82	5.55	4.15	1.53	2.13
38.98 November...	1.96	2.02	2.00	1.88	3.73	3.38	4.68	3.51	2.32	8.03	4.47	3.53
37.43 December...	2.76	1.69	4.55	3.18	4.41	3.15	.68	4.91	2.74	6.98	2.38	3.40
35.6.41 TOTALS...	27.73	16.08	32.12	34.76	37.37	34.19	36.93	45.38	32.32	29.05	30.48	32.40
	D	D	D	D	D	D	D	D	D	D	D	

8/8/27. Inspected by Mr. Corcoran - see green file

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	Parish Church.	Distance from gauge	Direction
1920			Kingwood	1.12 mi	S. E.	All Saints Banstead	1.25 mi	N. E.



RAINFALL at Barnstead (Barnh Heath Res.)County of SurreyObserver W. Vaux <sup>died 1940</sup> Graham Esq, C.E.River Basin Thames, Wandic H.The Sutton District Water Co.Type of Gauge ShawdonAnnual Average 30.8 in. based on 37 years obs. ~~un~~-weighted. Period of average 1881-1915. Ref. T.M. 5  
31 compiled by Mr. Cornish (1940) Ref 9200457/20 667037/26

Diameter	5											
Height	10											
Altitude	570			576			600	570		581		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.90	2.89	2.14	2.01	1.18	5.53	5.67	3.03	5.96	2.54	3287	
February	1.88	.33	2.78	.33	3.37	1.90	4.81	.80	1.77	2.33	2030	
March	1.41	1.63	3.45	2.60	.41	1.34	4.09	.41	1.70	3.62	1966	
April	4.52	3.01	.70	2.70	3.03	1.82	2.94	.23	3.15	2.12	2422	
May	2.87	4.61	2.93	.67	1.54	.50	2.62	2.39	2.34	1.65	2212	
June	2.01	1.69	1.64	1.10	4.94	3.41	1.35	.64	1.02	.53	1883	
July	3.30	3.01	2.13	1.96	1.07	4.73	1.48	2.26	2.86	2.51	2531	
August	4.50	.78	.88	2.10	3.15	1.22	1.23	1.90	2.44	.08	1828	
September	2.57	2.24	3.04	1.68	3.96	2.89	2.16	2.39	2.19	1.70	2482	
October	.76	5.91	2.15	2.28	3.45	2.42	3.34	3.08	6.77	3.60	3376	
November	3.09	1.24	1.21	2.77	5.02	4.69	2.03	4.27	5.01	8.42	3775	
December	.80	.80	.52	7.07	3.75	3.79	5.06	4.09	2.06	1.65	2959	
TOTALS	28.61	28.14	23.57	27.27	34.87	34.24	37.28	25.51	37.27	30.75	30751	

Gr Inlet Resh 1936 2nd low 34 3rd low 35 for us. 1937

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 Barnhead (Bungh Heath Res.)

41

County of SurreyObserver The Sutton District Water Co.River Basin Thames Wandle &Type of Gauge SnowdonAnnual Average 30.2 in. based on 37 years obs. un-weighted. Period of average 1881-1915 Ref J.W.S.File No. bb7027/26

Diameter	5"			287	403						
Height	1' 0"				1						
Altitude	582'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.45	3.01	6.17	2.15	2.00	2.68	2.32	4.04	1.17	1.01	27.00
February	2.76	.84	1.94	.85	1.78	2.76	1.59	1.61	1.34	5.07	20.54
March	3.62	1.96	.37	.10	1.23	1.33	5.67	.90	.91	1.37	17.46
April	2.01	1.80	1.16	1.61	1.36	2.85	2.03	1.91	1.85	2.69	19.27
May	2.09	3.45	2.80	1.06	2.36	3.66	1.54	2.07	1.77	1.62	22.42
June	2.74	.23	2.10	2.15	1.85	3.75	2.57	2.61	.87	1.35	19.22
July	4.22	2.35	1.55	2.55	4.06	1.64	1.11	1.49	.49	3.38	22.84
August	4.35	3.14	1.74	2.52	1.72	4.91	.33	4.43	1.78	2.42	27.34
September	.48	1.96	2.06	2.75	2.77	3.56	1.41	1.91	.40	2.94	20.24
October	1.47	4.07	3.61	4.42	3.63	1.31	.25	1.86	6.75	.54	27.91
November	3.31	2.29	1.75	4.54	.33	4.87	1.12	1.75	3.32	6.50	29.78
December	2.04	3.50	2.19	2.90	4.19	3.33	2.92	4.05	1.54	1.84	28.50
TOTALS	31.54	28.60	27.44	27.60	27.28	35.65	22.86	28.63	22.19	30.73	282.52

H.6 Inspected 10/7/46. Satisfactory exposure on reservoir 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

287403

275

Station No. 88.

RAINFALL at BANSTEAD (Rough Heath Reservoir)

51

County of Surrey

Observer Lt Sutton District Water Co

River Basin 4 Lower Wandle

Type of Gauge Snowden

Annual Average 30.8 in. based on 37 years obs. un-weighted. Period of average 1881-1915 Ref. 100.  
" " 20.43 " " 20 " " 1936-55 " " 1916-1950 Ref. 5.  
File No. 67037 126

Diameter ...	5"				287.403							
Height ...	1' 0"				1							
Altitude ...	582'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	3.54	2.17	1.28	1.43	3.19	4.61	2.09	2.55	2.95	3.12	2693	
February ...	7.72	.89	1.57	2.56	2.16	.54	4.17	2.26	.09	2.36	2426	
March ...	3.41	3.25	.42	2.59	1.58	.91	1.31	1.66	2.93	2.08	2014	
April ...	3.15	1.61	2.87	.33	.37	1.72	.28	1.28	2.92	0.96	1949	
May ...	2.29	1.56	1.97	2.72	4.42	.29	1.56	3.24	.86	1.78	2069	
June ...	1.03	1.52	1.96	4.56	2.33	2.89	.85	4.34	2.47	1.44	2339	
July ...	2.41	.80	3.89	3.29	.97	6.45	3.43	1.83	1.42	3.22	2771	
August ...	3.66	3.40	1.69	3.17	1.30	3.61	3.65	3.01	1.49	3.61	2859	
September ...	2.62	3.16	3.39	2.52	2.06	2.89	3.52	5.60	.20	3.14	2920	
October ...	1.23	3.47	4.62	2.67	3.87	1.66	1.85	3.58	2.85	6.45	3225	
November ...	7.27	3.47	1.66	5.87	1.39	.96	3.21	2.08	3.95	5.39	3525	
December ...	2.93	2.46	.76	2.34	2.92	4.34	2.65	3.61	5.76	3.53	3130	
TOTALS ...	41.26	27.76	26.02	34.05	26.56	30.87	28.57	35.04	27.89	37.19	315.20	
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference TQ(51)237591

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

Summary of Earlier Records from 10-year Sheets :

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