

RAINFALL AT

Chipstead New Green Reservoir

Lat. _____

Lon. _____

County of _____

E Surrey

Smelter

Rain Gauge, by

N+3

Observer

W. Yarrow, B.Sc., Eng. & Arch.

44/ Thames. Sandle.

Diameter ...									5		
Height									10		
Altitude ...									528 ft		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...									1.64	1.17	
February ...									1.25	.70	
March									3.22	4.00	
April									2.29	2.15	
May									2.45	1.31	
June									1.54	3.35	
July									3.92	3.90	
August									4.43	2.29	
September ..									1.48	3.49	
October ...									2.53	5.09	
November ..									.75	1.02	
December ...									2.63	3.93	
TOTALS ...									28.13	32.40	

1908 Chipstead Church 1.06 miles S

" Station 0.41 W

Records to 8. ft high 70 ft S F

RAINFALL at Chipstead How Green ReservoirCounty of SurreyObserver W. Yance Graham Esq. C.E.River Basin Thames-Wandle 4Snodda Rain Gauge, by N 3

Diameter ...	5												
Height	10												
Altitude ...	528 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	1916-19	SUMS
January ...	2.53	1.56	3.11	4.47	.79	5.06	1.63	1.44	3.53	4.41	2.853	11.01	11.01
February ...	4.44	1.55	2.46	1.17	5.14	5.57	5.58	1.03	1.56	2.52	3.082	10.49	10.49
March	1.38	1.71	4.76	3.47	4.55	.92	4.40	1.80	1.24	4.16	2.869	11.60	11.60
April	1.77	2.06	.04	3.13	1.11	1.75	1.52	2.41	3.82	3.18	2.079	10.93	10.93
May	2.39	3.75	1.14	1.93	1.40	2.81	3.02	1.67	2.10	.27	2.048	7.06	7.06
June	2.23	2.70	3.69	.37	1.01	.85	2.30	1.61	1.23	1.02	1.701	6.16	6.16
July	2.59	.25	1.76	3.50	2.26	4.48	1.47	5.43	5.88	2.27	2.989	15.05	15.05
August	3.67	.86	6.56	2.23	1.92	2.33	3.12	6.29	1.25	2.85	3.108	13.51	13.51
September ..	1.05	1.20	3.94	1.83	1.50	2.53	1.75	2.23	5.81	1.60	2.344	11.39	11.39
October ...	2.94	4.46	3.12	4.52	1.66	2.46	5.13	4.28	2.20	.73	3.150	12.34	12.34
November ..	3.43	5.29	2.59	3.27	4.28	3.11	5.63	1.84	2.69	1.72	3.385	11.88	11.88
December ...	4.73	7.20	3.77	1.27	9.14	6.64	3.24	1.72	3.06	4.93	4.570	12.95	12.95
TOTALS ...	33.15	32.59	36.94	31.16	35.06	38.51	38.79	31.75	34.17	29.66	34.178		

1910 Recorder No. 2 of high 70 ft SE

134.37

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Chipstead S.E. Ry	1.14 0.41 Miles	W	Chipstead	2.06 Miles	S

RAINFALL at Chipstead How Green ReservoirCounty of SurreyObserver W. Tams Graham Esq. C.E.River Basin Thames - Mandle &Snowdon Rain Gauge, by R. & J.

Total

33.05

25.38

18.34

30.15

23.95

20.61

31.82

29.41

28.48

35.44

39.74

40.05

356.42

Diameter ...	6"												
Height	10												
Altitude ...	528												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	Mean	
January ...	3.32	2.49	3.34	1.87	2.83	2.74	3.87	2.53	4.50	1.60	3.96	3.01	
February49	.29	3.35	5.04	.63	4.73	2.47	4.85	2.10	.49	.94	2.31	
March	2.24	1.70	2.25	2.12	1.14	.83	.38	3.50	2.50	.08	1.60	1.67	
April.....	3.94	1.17	3.30	2.49	4.06	4.39	3.97	2.19	1.90	.90	1.84	2.71	
May70	2.25	1.19	2.95	4.09	2.51	1.68	1.30	2.20	2.10	2.98	2.18	
June	2.17	.13	1.55	.43	2.52	.19	4.63	3.75	3.30	1.26	.68	1.87	
July	5.37	.32	4.16	3.33	3.61	3.12	2.25	3.55	1.60	1.55	2.96	2.89	
August	1.76	1.70	2.00	3.13	3.70	2.79	2.00	4.08	3.10	1.78	3.37	2.67	
September...	3.39	1.87	2.37	1.75	4.37	3.58	1.08	5.47	.70	.10	4.30	2.59	
October.....	1.10	.87	1.96	6.73	4.15	3.45	2.78	1.85	6.80	4.10	1.65	3.22	
November...	2.07	1.82	2.00	1.85	3.70	2.97	6.66	2.90	3.60	7.42	4.75	3.61	
December...	3.09	1.72	5.44	2.84	5.06	2.94	.36	4.65	3.25	8.20	2.50	3.64	
TOTALS...	29.64	15.83	32.91	34.53	39.86	34.24	32.13	40.62	35.55	29.58	31.53	32.40	

1920 Recorder House 8 ft high 10 ft 5 1/2

Inspected by Mr Corleas 8/8/27 - 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.			Chipstead	.14 mi	W	Chipstead	.06	S.

RAINFALL at Chipstead (How Green Res.)County of SurreyObserver W. Vaux Graham, Esq., C.E. *died 1940*River Basin Thames - Wandle &The Salton District Water Co.Type of Gauge StandardAnnual Average 31 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. T.W.S.307 in. per day by M. Com. (1940)Ref A20008700667037/26

Diameter	5											
Height	10											
Altitude	528									527		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.75	3.10	2.52	2.16	1.22	5.80	5.81	2.17	5.64	2.49	3.46	6
February	1.28	3.0	2.30	2.7	3.93	2.29	5.40	6.9	1.68	2.24	2.03	8
March	.80	1.62	3.75	2.77	3.2	1.75	3.73	6.8	1.63	3.80	2.08	5
April	4.80	2.88	6.7	3.02	4.15	1.87	3.09	1.6	2.99	2.04	2.56	7
May	2.97	4.48	2.72	6.1	1.52	4.8	2.86	2.39	2.00	1.26	2.12	9
June	1.75	1.47	1.55	8.5	4.84	2.98	1.91	5.2	1.15	4.7	1.74	9
July	3.20	4.02	1.91	1.84	9.7	4.43	9.6	1.92	2.62	2.93	2.48	0
August	5.00	1.03	7.7	2.44	3.13	2.30	1.45	2.43	3.40	1.2	2.20	7
September	2.25	2.05	2.94	1.93	4.73	3.47	2.64	2.83	2.01	1.56	2.64	1
October	.76	6.33	2.26	2.33	4.41	2.53	3.79	3.26	7.34	3.54	3.65	5
November	3.95	1.29	1.97	3.49	5.85	4.91	2.23	3.98	5.42	8.48	4.15	4
December	.75	4.49	6.0	9.28	4.48	3.96	4.59	3.59	1.95	1.79	3.14	8
TOTALS	30.26	29.06	23.96	30.99	39.55	36.77	32.46	25.89	37.83	30.72	32.31	9
	M	M	-	D	D	D	D	D	D	D	D	

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 89

RAINFALL at Chipstead (How Green Res.)

41

County of Surrey

Observer The Sutton District Water Co.

River Basin Thames & Mole

Type of Gauge Standard

Annual Average 31.1 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 667037/26

Diameter	5"			287	451						
Height	1' 0"				1						
Altitude	528'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.86	3.29	6.85	2.28	1.93	2.98	2.31	4.16	1.36	1.09	29.11
February	2.95	.55	1.99	.91	2.06	2.36	1.82	1.83	1.48	5.00	20.95'
March	3.74	2.00	.32	.06	1.15	1.49	5.94	.95	.97	1.51	18.13
April	1.99	1.77	1.21	1.73	1.57	2.66	2.04	1.69	1.92	3.40	19.98
May	2.22	3.47	2.93	.75	2.63	3.60	2.25	1.70	2.12	1.37	23.04
June	3.10	.22	1.48	1.60	2.23	3.35	2.80	3.02	.90	1.49	20.19
July	3.75	2.28	1.65	2.86	3.79	2.58	1.63	1.56	.77	3.13	24.00
August	4.34	2.94	1.48	2.49	2.38	5.38	.22	4.26	1.44	2.23	27.16
September	.55	2.51	1.97	2.80	2.47	3.59	1.36	2.04	.43	3.29	21.01
October	1.31	4.07	3.68	4.58	3.71	1.40	.41	2.12	7.30	.57	29.15
November	3.12	2.15	2.01	4.49	.34	5.42	1.12	2.12	3.50	6.55	30.82
December	2.28	3.86	2.46	2.98	4.21	3.28	2.89	4.25	1.71	1.64	29.56
TOTALS	32.21 D	29.11 D	28.03 D	27.53 D	28.47 D	38.09 D	24.79 D	29.70 D	23.90 D	31.27 D	293.10

Inspected 10/7/46. Gauge in sound condition. Site on top of grassy roof satisfactory. "Caden" measure.

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.
1944			Chipstead	2 1/2 m	W	Chipstead	1 1/2 m	S

BRITISH RAINFALL ORGANIZATION

Station No. 89

RAINFALL at CHIDSTEAD (How Green Res.)

51

County of Surrey

Observer The Sutton District Water Co.

River Basin 4 Thames Wandle

Type of Gauge Standard

Annual Average 31.1 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. 128

File No. 667037/26

Diameter ...	5"			287	451						
Height ...	1' 0"				1						
Altitude ...	528'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.49	2.62	1.28	1.34	2.97	4.43	2.27	2.68	2.46	3.00	2654
February ...	7.22	.83	1.52	2.66	1.84	.42	4.11	2.26	.07	2.25	23.18
March ...	3.54	3.28	.41	2.64	1.43	.84	1.26	1.86	2.56	2.30	20.12
April ...	3.31	1.60	2.67	.34	.30	2.05	.18	1.21	2.73	0.73	15.12
May ...	2.63	1.65	2.11	3.88	4.43	.37	1.55	2.76	1.45	1.90	22.73
June ...	1.19	1.53	1.72	4.58	2.13	2.94	.89	3.94	1.68	1.40	22.00
July ...	2.43	.81	4.23	2.95	.93	5.16	3.02	1.75	1.40	3.67	2635
August ...	3.84	2.91	1.77	3.55	1.51	3.75	2.86	3.31	1.41	3.98	2879
September ...	3.16	2.89	3.93	2.22	2.15	3.03	3.22	5.14	.19	3.26	2919
October ...	1.19	3.48	4.16	2.30	3.84	1.53	1.89	3.61	2.58	6.52	3110
November ...	7.14	3.80	1.74	5.98	1.27	.80	3.08	2.01	3.68	5.38	3488
December ...	3.23	2.55	.65	2.21	2.71	4.14	2.62	3.70	5.88	3.16	3085
TOTALS ...	42.37	27.95	26.19	34.65	25.51	29.46	26.96	34.23	24.09	37.45	31085
	D	D	D	D	D	D	D	D	D	D	

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TA(51)283581

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1944			Chidstead	2 1/2 m. W.	Chidstead	1 1/2 m. S

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - rejected

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
	C. Jan 1908.	✓	✓	✓	✓	
		✓	✓ but d 25 m 26-30	✓ but 1931-34	✓	