

# RAINFALL AT Caterham Reservoir

Lat. ....

Lon. ....

County of Essex

Symons' Rain Gauge, by James Mercer

Observer A. L. Cornwall & Walter E. J.

4/3/1890 Windle

Diameter ..						5					
Height ....						10					
Altitude ..						705 ft					
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						1.32	6.19	1.49	1.64	1.47	
February ..						1.02	2.92	1.91	1.52	.72	
March ....						4.34	1.91	1.12	3.43	3.73	
April .....						1.84	.72	3.87	2.83	2.15	
May .....						.79	1.71	2.33	2.50	1.51	
June .....						6.35	2.18	2.19	1.93	3.39	
July .....						.63	.51	1.31	4.02	4.26	
August ....						2.82	1.25	2.76	4.56	2.72	
September..						2.54	2.13	.60	1.61	3.63	
October....						1.50	4.76	4.30	2.49	6.55	
November..						4.77	6.44	2.87	1.29	1.33	
December..						.86	2.96	3.42	2.97	4.18	
TOTALS ..						28.78	33.68	28.17	30.79	35.64	

St. Mary Church Caterham 1100 yards NE  
 Caterham Station 1600 " NE  
 Reservoir 5 ft high 64 ft SE NE

RAINFALL at Calverham ReservoirCounty of SurreyObserver A. E. Cornwell Walker EsqRiver Basin Thames - Wandle 4Gentle? Rain Gauge, by Townsend Mercer

Diameter ...	5												
Height .....	10												
Altitude ...	705 ft								717				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	1916-19	Sums
January ...	2.70	1.77	2.74	4.32	1.22	4.95	2.28	2.12	3.84	4.07	3.001	12.31	
February ...	4.38	2.02	2.66	1.44	4.88	5.29	5.27	1.12	1.81	2.72	3.159	10.92	
March .....	1.37	2.12	4.52	3.91	5.89	1.06	4.94	1.99	1.19	4.86	3.185	12.98	
April .....	2.05	2.10	.08	3.64	1.44	1.99	1.86	3.09	4.35	2.78	2.338	12.08	
May .....	3.56	2.92	1.29	1.64	1.66	3.05	3.44	2.27	2.34	.22	2.239	8.27	
June .....	2.32	2.31	4.07	.46	1.01	1.39	3.14	2.25	.58	1.20	1.903	7.47	
July .....	3.42	.35	1.66	2.70	2.63	5.07	1.47	5.33	5.14	2.45	3.022	14.39	
August .....	3.09	.55	6.22	2.40	2.15	2.95	3.94	6.47	1.24	2.96	3.197	14.61	
September ..	1.23	1.49	3.57	2.06	1.32	3.01	1.76	3.28	5.98	1.22	2.492	12.24	
October ...	3.44	5.26	3.68	5.13	2.09	2.95	6.04	4.62	2.19	.80	3.620	13.65	
November ...	3.92	5.66	3.13	3.69	4.56	3.62	6.38	1.99	2.38	2.26	3.759	13.01	
December ...	4.12	7.04	4.10	1.69	8.97	7.71	3.43	2.34	3.07	5.36	4.783	14.20	
TOTALS ...	35.60	33.59	37.72	33.08	37.82	43.04	43.95	36.87	34.41	30.90	36.698		

19" Hidge up high 16 ft E  
 1919 June 3 moved 163 ft N 5  
 on top of Reservoir

146.13

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Calverham	1 mile	NE	St Marys	3/4 m	NE



RAINFALL at Caterham ReservoirCounty of SurseyObserver A. E. Cornwall Walker EsqRiver Basin Thames - Mandle 4East Surrey Water Co.Brid. Ass<sup>n</sup> Rain Gauge, by Lowson & Preece

Diameter ...	5"												
Height .....	1 2												
Altitude ...	717						716						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1930	Means	
35.08	January ...	3.52	3.06	3.84	2.31	3.27	3.10	3.12	2.56	4.54	1.86	4.40	3.19
25.51	February ...	.71	.37	2.77	4.72	.81	4.97	2.84	4.48	1.84	.62	1.38	2.32
19.57	March .....	1.77	1.75	2.88	2.36	1.79	.98	.53	3.39	2.19	.04	1.89	1.78
30.77	April .....	3.50	1.55	3.87	2.67	3.85	3.02	4.88	2.15	1.99	1.15	2.14	2.80
25.48	May .....	.98	1.41	1.61	3.16	4.42	2.88	1.78	1.31	2.32	2.14	3.47	2.32
22.65	June .....	2.31	.16	1.84	.69	2.89	.26	4.61	4.94	2.85	1.49	.61	2.06
35.23	July .....	4.98	.18	4.02	3.74	4.59	4.17	2.11	3.08	1.99	3.01	3.36	3.26
34.96	August .....	1.59	1.91	3.28	2.82	3.98	2.64	2.99	6.39	2.80	2.64	4.02	3.18
29.49	September...	4.25	1.12	2.47	1.95	4.33	3.40	1.14	5.71	.48	.23	4.11	2.68
38.91	October .....	1.76	1.30	1.46	7.95	3.88	3.82	2.81	2.25	6.49	4.95	2.24	3.54
40.21	November...	1.66	1.65	2.57	2.23	3.74	2.88	6.73	3.12	3.18	7.47	4.98	3.65
39.30	December...	2.92	1.84	5.09	3.48	4.15	3.27	.64	4.09	3.83	7.43	2.56	3.57
37.16	TOTALS...	29.95	16.30	35.70	38.08	41.70	35.39	34.18	43.37	34.80	32.53	35.16	34.29
		3			3	3	3	2	2	2	2	2	

17.11.30 Inspected new site selected 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			Caterham	1 mi	NE	St Mary's	3/4 mi	NE

RAINFALL at Caterham Reservoir

County of Surrey

Observer A.E. Cornwall-Walker, Esq.

River Basin Thames - Wandle &

Type of Gauge M.O.

Annual Average 32.5 in. based on 7 years obs. ~~un~~ weighted. Period of average 1881-1915. Ref. I.W.S.  
32.1 in. compiled by the Council (1940) 28/12/1940 667036/26

Diameter	5											
Height	1 2			1 0								
Altitude	717		705	705								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.96	2.97	2.53	2.56	1.82	6.17	5.80	3.87	5.70	2.72	3610	
February	3.04	.72	2.40	.41	3.90	2.39	4.93	1.09	1.87	2.47	2322	
March	.43	1.87	3.46	2.59	.46	1.64	3.81	.49	2.13	3.59	2047	
April	4.70	2.98	.89	3.22	3.44	2.30	3.62	.22	3.21	2.39	2697	
May	3.59	4.51	2.28	.69	1.77	.52	2.47	2.72	1.87	1.26	2168	
June	1.60	1.63	2.14	1.32	4.69	2.98	1.99	.68	1.31	.59	1893	
July	3.35	2.42	2.22	1.77	.83	4.69	1.10	2.20	2.54	3.17	2429	
August	5.01	1.04	1.04	2.11	3.37	.68	1.73	3.26	3.42	.14	2180	
September	2.14	2.33	3.00	2.01	4.98	2.25	2.23	2.98	1.77	1.92	2561	
October	.98	6.96	2.44	2.52	4.72	2.74	3.34	4.08	7.83	3.88	3949	
November	4.14	1.64	1.00	3.33	6.06	5.15	2.42	4.12	6.58	8.51	4295	
December	.86	.73	.59	8.02	4.04	3.99	4.68	4.11	2.01	2.07	3110	
TOTALS	31.80	29.80	23.99	30.55	40.08	35.50	38.12	29.82	40.24	32.71	33241	

1931. Reservoir 12' 6" high 26' N.W.  
New g. on new site fitted 17 Jan. 8.2. from Res.

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





Station No. 79

RAINFALL at CATERNHAM Reservoir

51

County of Surrey Observer East Surrey Water Co.

River Basin 4 Thames Wandle

Type of Gauge M.O. Mk II

Annual Average 32.5 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. 1458

" " 33.28 " " 24 " " Within 1931-56. " " " 1931-1956

File No. 66706/126 5

Diameter ...	5"			287	642						
Height ...	1' 0"				1						
Altitude ...	705'				57						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.20	2.74	1.43	1.62	3.70	4.68	2.52	3.44	3.47	2.90	30.40
February ...	6.81	1.04	1.84	2.66	2.02	.62	4.24	2.20	.10	2.31	28.84
March ...	3.92	3.98	.51	2.84	1.64	1.02	1.60	1.88	2.23	1.93	21.55
April ...	3.52	1.55	2.93	.41	.36	1.51	.09	1.05	2.36	0.91	14.69
May ...	2.57	1.36	2.07	3.39	4.74	.31	1.83	2.36	.69	1.61	20.93
June ...	1.71	1.78	1.84	5.23	2.06	3.50	1.50	5.02	1.53	1.63	25.80
July ...	2.38	.93	4.07	3.96	.25	4.78	2.65	1.69	.95	3.55	25.21
August ...	5.12	2.90	2.21	3.60	1.56	3.18	2.52	3.11	1.22	1.97	28.29
September ...	3.00	3.28	3.50	2.59	3.13	3.04	3.14	5.99	.18	3.64	31.49
October ...	1.23	3.61	4.67	2.81	4.58	1.40	2.09	3.45	3.20	6.90	33.94
November ...	6.34	4.17	1.79	6.16	1.24	1.09	2.83	1.58	3.50	5.78	34.48
December ...	3.44	2.46	.84	2.03	2.77	4.20	2.79	3.12	5.42	3.59	30.69
TOTALS ...	44.24	29.80	24.73	37.30	28.05	29.33	27.80	34.59	24.85	37.62	321.31
	D	D	D	D	D	D	D	D	D	D	D

Inspected 18.1.55 N/A P.M. G. Deeks. Gauge sound, measure approved. Situated beside reservoir overlooking Caternham valley, slightly o/s shrub 10' SW to 10' W 70' GB. and 20' SW 120'.

Position of Station on Ordnance One-Inch map :

No. of Map 170

National Grid Reference <sup>TD</sup> 833 550

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

Summary of Earlier Records from 10-year Sheets : <sup>T</sup> New 3, new site 1951

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