

RAINFALL AT *Addington Hills*

Lat. _____

Lon. _____

County of *Surrey*

Rain Gauge, by _____

Observer *F. C. Bayard Esq*

S. Thomas Daint

Diameter	8											
Height	- 9											
Altitude	473 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.76	2.18	.55	1.82	2.90	1.55	.71	1.90	.73	2.91	1.801	
February ....	.79	.03	1.62	3.36	1.88	.30	.39	2.28	1.34	2.62	1.461	
March	2.51	2.29	1.34	.57	1.27	1.50	3.49	4.16	1.22	.88	1.923	
April	2.08	.67	.99	.07	1.90	1.68	.86	1.18	1.21	2.46	1.310	
May	1.55	2.62	1.50	.67	1.61	.76	.24	1.88	3.10	1.68	1.561	
June	2.36	1.30	3.16	.86	2.73	.72	3.19	1.97	1.67	1.02	1.898	
July	4.69	4.63	2.07	2.15	3.72	3.53	2.08	.82	.61	.77	2.509	
August	2.46	4.80	3.81	.72	2.90	1.97	2.44	3.01	1.08	.85	2.404	
September....	.62	.88	1.97	1.51	2.03	.74	7.14	2.61	.57	2.70	2.077	
October	1.33	6.45	4.71	3.86	5.15	2.76	4.02	.74	3.25	2.31	3.458	
November....	2.12	2.97	2.72	2.27	4.35	4.15	1.72	1.17	3.60	4.54	2.961	
December ....	.73	3.88	1.36	2.80	1.79	2.61	3.59	3.27	2.76	1.76	2.455	
TOTALS . . .	24.00	32.70	25.80	20.66	32.23	22.27	29.87	24.99	21.14	24.50	25.816	

RAINFALL AT *Addington Hills*

Lat.

Lon.

County of *Surrey East*

Rain Gauge, by

Observer *F. C. Bayard Esq*

J. Hanes Parent

London Corporation

Diameter ..	8										
Height	0 9										
Altitude ..	473 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.03	.92	.85	2.45	4.34	1.14	4.81	1.38	1.56	1.31	2.179
February ..	4.15	1.70	.99	1.74	3.47	1.01	2.40	1.49	1.30	.85	1.910
March ....	.92	2.84	1.64	2.56	1.46	3.56	1.11	.99	2.80	3.41	2.129
April .....	.89	2.02	.71	1.85	1.13	1.89	.69	3.82	2.51	2.00	1.751
May	1.43	1.85	2.69	2.86	2.10	1.13	1.52	1.84	2.01	1.34	1.877
June	2.91	1.76	4.06	6.92	.77	5.72	2.25	2.07	2.43	3.21	3.210
July	1.13	1.36	1.44	4.31	1.41	1.18	.49	1.05	3.33	3.45	1.915
August	2.50	2.24	3.32	4.01	1.64	2.66	1.57	2.41	3.56	2.27	2.618
September ..	.79	1.27	.77	2.03	1.40	2.24	1.60	.57	1.50	3.01	1.518
October	1.97	3.83	1.60	5.89	2.18	1.34	4.22	3.70	2.54	4.47	3.174
November ..	2.29	.75	2.08	2.53	1.61	4.15	4.72	2.59	.88	.95	2.255
December ..	2.71	4.22	1.44	2.12	2.70	.66	2.16	3.50	2.68	3.14	2.533
TOTALS ..	24.72	24.76	21.59	39.27	24.21	26.68	27.54	25.41	27.10	29.41	27.069

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+ Inspected

RAINFALL at Addington Hills ReservoirCounty of SumnerObserver F.C. Bayard Esq Argylls Co. S.River Basin Thames - Darent 3G. F. Carter Esq C.C. 1912Snowdon Rain Gauge, by _____

Diameter ...	8											
Height	0 9											
Altitude ...	473 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	1916 -19 Sum
January ...	2.44	1.28	3.20	3.63	.69	4.17	1.23	1.34	3.22	3.67	2.487	916
February ...	3.87	1.18	2.00	.86	4.17	5.15	4.72	1.01	1.13	2.67	2.676	953
March	1.37	1.93	3.92	3.07	4.42	.64	4.44	1.59	1.12	3.38	2.588	1053
April	1.73	2.03	.14	3.10	.93	1.54	1.50	2.31	3.82	2.99	2.009	1062
May	2.13	1.41	1.16	1.15	1.13	3.20	2.44	2.04	2.23	.14	1.703	685
June	2.64	2.19	3.37	.24	1.22	.61	3.04	2.10	1.06	1.29	1.776	744
July	2.61	.33	1.78	1.53	1.93	3.08	1.21	5.38	6.50	2.28	2.663	1537
August	3.05	1.01	5.24	2.15	1.70	2.69	2.83	4.84	1.11	2.89	2.751	1167
September ..	1.11	1.04	3.47	1.76	.73	2.01	1.35	2.30	5.66	1.80	2.093	1081
October ...	3.06	3.84	2.74	4.03	1.65	2.60	4.24	3.72	2.05	1.04	2.897	1105
November ..	3.29	4.49	2.46	2.75	3.85	2.69	5.77	1.50	2.54	1.82	3.116	1143
December ...	4.30	6.52	3.31	1.20	7.55	5.93	3.16	2.23	2.55	4.57	4.132	1251
TOTALS ...	31.60	27.25	32.79	25.47	29.97	34.31	35.93	30.36	32.99	28.24	30.891	1110
	D	D	D	D	D	D	D	D	D	D		

1912 Value to 30 ft high 55 ft SW

12 7.52

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	51° 21' 35" N	0° 35' 0" W	E Croydon London	17m 1130 ft 17m 33 ft	NW W	Addington	17m 416 ft	E

RAINFALL at Addington Hills ReservoirCounty of SurreyObserver Croydon Corporation K.E. PopenRiver Basin Thames - Darent 31922 G.F. CarterCroydon Rain Gauge, by _____

Sound & correct 11.26

Glass measure flat.

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28.62	January ...	2.98	2.25	3.15	1.59	2.64	2.21	3.16	2.34 (3.68)	1.22	3.40	2.60	
23.98	February75	.24	2.75	4.65	.75	4.43	2.50	4.76	1.61	.72	0.82	2.18
16.92	March	2.02	1.57	2.23	2.24	.96	.70	.31	2.62	2.52	.06	1.69	1.54
27.57	April.....	3.48	1.56	3.55	1.77	3.83	2.73	4.26	1.94	1.49	1.17	1.49	2.51
21.82	May .....	.72	1.63	1.26	2.68	3.70	1.75	1.08	1.07	2.80	1.90	3.23	1.98
18.83	June	2.44	.21	1.54	.49	2.38	.19	3.61	3.56	2.49	1.21	0.41	1.71
30.78	July	5.02	.18	3.25	2.52	3.98	3.49	2.15	3.06	2.26	2.85	2.52	2.80
30.08	August	2.08	1.14	2.79	2.30	3.57	2.47	2.79	4.19	2.84	1.86	4.05	2.73
26.64	September...	3.62	1.36	2.00	1.24	3.64	2.70	1.71	5.44	.86	.27	3.80	2.42
32.22	October.....	1.57	.79	1.25	5.91	3.58	3.52	3.07	1.46	5.46	3.93	1.39	2.93
35.80	November...	1.41	2.04	1.77	1.88	3.91	2.74	6.00	2.79	2.63	5.96	4.67	3.26
35.66	December...	2.58	1.51	4.49	2.45	4.06	2.85	.47	(4.74)	3.11	7.15	2.25	3.24
328.92	TOTALS...	28.67	14.48	30.03	29.72	37.00	29.78	31.11	37.97	32.64	27.80	29.72	29.70
		D	D	D	D	D	D	D	D	D	M	M	

1920 Valve House 30ft high 85ft S.W.

Inspected 7.11.26 G. on reservoir but apparently on common higher than surrounding ground but with trees at a considerable distance all round. G. enclosed with screen etc in 7ft. fence (iron) with 3 foot high wire netting all round. Fence about 7 yds away. Excellent exposure.

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

Reference No. _____

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 21' 35"	0° 3' 50"	E. Croydon	1 mi 11 3/4	NW	Addington	1 mi 4 1/4	E
			Combe Lane	1 3/4	W			

RAINFALL at Addington Hills Reservoir, M.W.R.County of SurreyObserver Craydon Corporation.River Basin Thames - Darent 3.

Type of Gauge

Annual Average 27.9 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. I.H.S.
28.2 in. compiled by M.C.O. (1945) Ref. 9200/27/20

Diameter	8										
Height	10										
Altitude	472										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.83	2.83	1.79	2.19	1.38	5.64	5.72	3.02	5.29	2.29	3188
February	2.18	.51	2.38	.39	3.11	2.04	5.30	.80	1.36	1.95	2002
March	.40	1.61	3.21	2.59	.30	1.23	3.86	.45	1.44	3.31	1840
April	4.09	2.25	.72	3.64	2.85	1.78	2.70	.27	2.79	2.33	2342
May	3.00	4.39	2.53	.58	1.54	0.32	2.43	1.92	2.04	1.24	1999
June	1.77	1.01	2.17	1.10	2.73	3.06	1.77	.53	1.03	.71	1588
July	3.40	2.77	1.83	2.26	1.04	4.05	.70	1.71	2.61	3.15	2352
August	4.73	1.03	.76	2.33	2.42	0.89	2.36	3.01	4.18	.02	2173
September	1.79	1.98	2.61	1.31	4.01	2.63	1.82	2.76	1.57	1.46	2194
October	.52	6.12	1.91	2.07	3.79	2.49	3.22	2.87	6.78	3.43	3320
November	3.26	1.11	1.28	2.94	4.64	4.85	1.98	3.51	4.98	7.62	3617
December	.51	.58	.47	6.82	4.06	3.98	4.79	3.29	1.57	1.31	2738
TOTALS	27.48	26.19	21.66	28.22	31.87	32.86	36.65	24.14	35.64	28.82	29.353

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	Parish Church.	Distance from gauge	Direction

Station No. 75. N.W.R.RAINFALL at Addington Hills Reservoir

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County of SurreyObserver London CorporationRiver Basin Thames-Darent

Type of Gauge

Annual Average 27.9 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. I.V.N.S.File No. 673343/26

Diameter	8"		288	760								
Height	1' 0"			1								
Altitude	472'	473		41	472							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.30	2.54	5.54	1.80	2.00	2.13	2.28	3.35	1.10	1.14	24.18	
February	2.28	.54	1.72	.71	1.71	2.68	1.69	1.58	1.26	4.86	19.03	
March	3.20	2.08	.28	.05	1.19	1.28	5.41	.96	.75	1.08	16.28	
April	1.50	1.54	.95	1.38	1.43	2.64	2.27	1.68	1.54	3.65	18.58	
May	2.00	3.41	2.87	.44	2.59	3.82	1.43	2.20	1.69	1.29	21.74	
June	2.11	.73	1.16	2.00	1.72	2.27	2.90	2.99	1.04	1.52	18.44	
July	2.62	2.08	1.65	2.02	4.00	2.47	2.70	1.25	1.06	3.02	22.87	
August	4.00	2.39	1.17	2.76	1.85	4.50	.14	5.05	1.55	1.77	25.18	
September	.76	1.94	1.72	2.97	1.75	3.25	1.29	1.68	.50	3.19	19.05	
October	.72	4.03	2.95	4.24	2.91	1.26	.21	1.90	6.70	.37	25.29	
November	3.07	1.92	1.16	4.18	.31	4.34	1.05	1.89	3.07	6.08	27.07	
December	1.83	2.84	2.12	2.59	3.39	2.80	2.84	3.73	1.29	1.83	25.26	
TOTALS	26.39	26.04	23.29	25.14	24.85	33.44	24.21	28.26	21.55	29.80	262.99	

1942 Gauge altered to 6 inch diameter.

Inspected Mr. Dunnington 25.7.49. Gauge on grass surface on flat roof of reservoir cover. Instructions
 some but overhauled by 6cm. Move 5yds. recommended. Owing to staff difficulties removal of
 climate station to Addington P.S. is contemplated.
 17.10.49. Gauge moved as recommended. Rain at 1 ft.

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

Station No. 75. N.W.R.

RAINFALL at ADDINGTON Wells Reservoir

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County of SurreyObserver Crofton CorporationRiver Basin 3. Thomas DarentType of Gauge M 0Annual Average 27.9 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. 1. W.S.
28.94 " " 35 " 1916-1950 1916-1950 PFile No. 6733.4.1.26

Diameter ...	8"	238	760	5"					5"		
Height ...	1' 0"			1' 1' 0"					1' 0"		
Altitude ...	472'		51	472'					474'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.51	2.38	1.26	1.45	3.22	4.02	1.62	2.26	2.78	2.35	24.85
February ...	7.34	1.16	1.62	2.40	2.08	.33	3.40	2.51	.09	2.07	23.00
March ...	3.44	2.93	.42	2.28	1.23	1.11	.93	1.46	2.09	1.88	17.77
April ...	2.95	1.30	2.52	.32	.27	1.23	.23	1.42	2.39	0.68	13.31
May ...	2.45	1.67	1.53	2.44	4.31	.39	1.39	2.20	1.23	1.84	19.45
June ...	.82	1.67	2.13	4.08	2.14	2.81	.92	5.13	1.01	1.22	21.94
July ...	2.33	.82	4.23	2.83	.32	5.67	3.51	2.46	.88	3.44	26.49
August ...	3.49	3.90	1.57	3.18	1.24	2.60	2.74	3.04	1.11	3.35	26.22
September ...	2.68	3.25	3.13	2.29	2.11	2.60	3.01	5.37	.20	3.90	23.54
October ...	1.07	3.15	4.54	1.97	3.82	1.52	1.73	3.36	2.43	6.53	30.12
November ...	6.39	3.68	1.63	5.76	.92	.75	3.16	1.82	3.01	5.27	32.39
December ...	2.74	2.51	.86	2.01	2.33	3.36	2.33	3.07	5.18	3.29	27.68
TOTALS ...	39.21	28.42	25.44	31.01	23.99	26.39	24.97	34.10	22.40	35.83	291.76
	D	D	D	D	D	D	D	D	D	D	

Thp. H. Clark 11/24. Old M. gauge. Rain loose, deluging into loose, hole in outer can. hole replaced.
Site on plateau, shield by trees, good.

28.4.55 New gauge brought into use
1.10.59, M. G. N. Vince - Satisfactory.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 10(51)352.643

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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
	✓	✓	✓	✓	
	✓	✓ but M 29.30	✓	✓ but d 49	