

## RAINFALL AT Ramsey Marsh [Waltham Abbey]

Lat. .... Lon. .... County of Middlesex

Rain Gauge, by W.B. Bryan Esq C.E.  
S. Thomas, Esq. W. Blackburn Esq C.E.  
S. Thomas, Esq.

Diameter ..		5					Metropolitan Water Board				
Height ..		1.6									
Altitude ..		60 ft									
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			.72	1.67	2.10	1.32	3.56	.72	1.56	.79	
February ..			1.13	.80	2.60	.96	2.04	1.11	1.52	.60	
March ..			1.39	2.16	1.48	2.72	1.13	.78	2.83	3.30	
April ..			.46	1.45	.69	1.81	.49	2.59	2.89	2.09	
May ..			2.56	2.18	1.73	1.46	1.21	1.56	1.83	1.45	
June ..			3.28	5.84	.88	3.19	2.62	1.27	1.40	3.71	
July ..			1.40	5.32	2.46	1.38	1.29	2.00	4.34	3.51	
August ..			4.70	4.41	1.78	2.51	.52	1.71	3.41	2.02	
September ..			.59	2.77	1.09	1.86	1.42	.71	2.23	2.62	
October ..			.93	5.62	1.42	1.42	3.49	2.69	1.90	4.62	
November ..			1.50	1.85	1.48	2.64	3.86	2.53	.66	.92	
December ..			1.21	1.43	1.58	.75	2.68	3.86	2.28	3.13	
TOTALS ..			19.87	35.50	19.29	22.02	24.31	21.53	26.85	28.76	

M M M M M D D

f Inspected

RAINFALL at Ramsey Marsh [Waltham Abbey ?]County of HertfordshireObserver Met. Water BoardRiver Basin Thames-Tea 1Mr. Head

Glaisher Rain Gauge, by \_\_\_\_\_

Funnel  $\left\{ \begin{array}{l} 799 \\ 798 \\ 799 \\ 798 \end{array} \right.$  glass correct x 1.13  
except .01 = .013

Diameter ...	8										MEANS.	
Height .....	1.6											
Altitude ...	60 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
January ...	1.90	1.38	3.63	3.10	.61	3.20	1.39	1.20	2.51	3.33		
February ...	2.76	1.78	1.74	.80	2.16	2.84	3.21	.58	.98	2.79	7.56	
March .....	.96	2.08	3.27	1.57	4.02	.89	3.88	1.42	.86	2.83	3.77	
April .....	2.15	1.39	.08	2.86	.66	.85	1.18	2.06	3.70	2.90	9.84	
May .....	2.26	1.51	1.16	1.58	1.57	2.63	1.90	2.43	2.01	.23	6.57	
June .....	3.67	3.20	2.93	.50	1.49	1.03	2.29	1.17	.69	1.42	5.57	
July .....	2.29	1.80	1.56	1.99	1.46	4.44	2.02	4.45	4.10	2.25	12.32	
August .....	2.71	.81	5.43	1.67	1.12	2.47	5.30	3.68	1.58	2.33	12.84	
September ..	.89	1.67	2.78	1.48	1.02	1.96	1.50	1.52	4.79	1.05	8.86	
October ...	1.96	3.25	2.23	4.18	1.11	1.68	3.23	3.68	1.03	.41	8.35	
November ...	3.75	3.68	2.35	2.98	2.78	2.14	4.07	1.46	2.23	1.79	9.55	
December ...	3.65	5.05	2.62	.79	6.23	4.56	2.75	.91	1.97	3.21	8.84	
TOTALS ...	28.85	27.60	29.78	23.50	24.23	28.59	32.72	24.56	26.40	24.54	108.22	
	D	D	D	D	D	D	D	D	D	D	7.66	

+ Inspected c. 3-XII-13. Dilapidated Glaisher, collar completely dropped & pipe broken off. Good open place level ground. Shaft 130 ft high about 50 ft NE. New Glaisher erected alongside 3-XII-13.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.3944	0.033	Enfield					

## RAINFALL at Waltham Abbey, Romsey Marsh

County of Essex

Observer, Met. Obs. Board

1921 Jan. to March

River Basin Thames (ca.)

Northern District

1921 Jan. to March

8.00  
8.00  
8.00  
7.99Glasheen Rain Gauge, by  
nearly new copper Glasheen

11.29

Glass .01 error above - 30 reads to low - new glass required

Jan. 1921, 1922.

Diameter ...	8											
Height .....	1	0										
Altitude ...	60											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		Mean 1930
January ...	2.50	2.11	2.69	1.18	2.51	1.83	2.74	1.52	3.15	1.39	2.16	Totals. 23.78
February ...	.38	.32	1.92	3.01	.64	3.00	2.70	3.28	1.55	.44	.81	18.05
March .....	1.40	1.02	1.59	2.02	1.37	.61	.35	2.37	1.73	.00	1.54	14.00
April.....	3.55	1.43	2.62	1.39	3.30	2.05	2.92	1.79	.84	1.31	1.95	23.15
May .....	1.52	.94	.75	1.73	3.26	1.73	1.43	1.09	2.06	1.51	2.74	12.76
June .....	1.56	.33	1.30	.74	2.78	.11	3.24	2.68	2.29	.85	1.71	17.59
July .....	4.52	.21	3.03	2.30	4.10	3.23	2.37	2.77	1.65	1.66	1.96	27.80
August .....	1.48	1.68	2.19	1.73	2.64	2.27	2.13	4.13	1.79	1.36	2.23	23.65
September...	2.76	2.51	2.03	1.41	2.85	2.63	1.80	4.25	.62	.30	2.83	23.99
October.....	1.02	.75	.87	4.45	3.35	2.75	2.68	1.92	3.42	3.04	.98	25.22
November...	.89	1.89	1.44	1.89	2.37	1.38	4.19	2.25	2.29	5.33	3.73	27.85
December...	2.28	1.24	2.60	2.02	2.89	2.21	.30	2.89	2.50	4.55	2.34	25.82
TOTALS...	23.86	14.43	23.03	23.87	32.06	23.80	26.85	30.96	23.89	21.74	24.98	269.47 Heads
	D	D	D	D	D	D	D	D	D	D	D	

Surgeon C.S. 2. VI. 21. S. in good level open site

J.W. 6 XI. 23. The defective glass has been replaced (by 820.4666 flat bottom)

P. 28 X. 25. Glasheen gauge sound. Excellent position

28 x 27 See green file

1930. Chimney 125' high 59' NE.  
Coal number 6 " 48' N

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.	
Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
51.39.44	0.032		Enfield Rly		Waltham Abbey	3/4 mi NE.

## RAINFALL at Waltham Abbey (Rammeay Marsh)

County of Essex

Observer Met. Water Board

River Basin Thames-Lea-1.

Type of Gauge.

Annual Average in. based on years obs. un-weighted. Period of average Ref.

23.6 in. computed by Mr. Comrie (1935) Ref. 561245/36

883894/28

Diameter	8.	5										Total S. Means
Height		1.0.										
Altitude		60.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	1.41	1.63	1.57	1.49	1.13	3.80	3.58	2.55	5.35	1.90	24.41	
February	2.03	1.14	1.13	1.17	2.35	1.51	3.87	1.60	1.80	1.36	13.96	
March	.07	1.37	2.23	2.01	1.47	1.04	2.80	1.34	1.32	2.91	14.26	
April	3.28	2.16	.86	1.91	3.25	1.24	2.68	.16	2.18	1.36	20.18	
May	2.64	2.56	2.02	1.16	1.46	1.91	2.65	1.84	1.89	2.35	18.28	
June	1.26	.68	2.24	1.21	2.83	1.14	1.74	.33	1.89	1.40	16.22	
July	2.44	1.69	.77	.90	1.48	2.45	2.67	1.32	1.81	2.69	17.22	
August	3.97	1.32	.59	2.12	1.37	.32	1.94	1.36	3.00	.06	16.05	
September	2.35	1.80	2.80	1.25	3.21	2.62	1.31	3.15	1.94	.84	21.27	
October	.52	4.58	1.19	1.05	2.93	1.76	2.09	2.65	5.36	2.82	24.95	
November	2.14	1.25	1.03	1.83	3.51	3.11	1.37	3.30	4.10	6.30	27.94	
December	.68	1.48	.36	4.55	2.66	1.54	3.21	3.20	.91	1.12	18.70	
TOTALS	22.79	19.66	16.79	18.95	25.74	24.44	29.61	20.80	30.55	24.11	233.44	KM

1932 may be too big

1931. Chimney 125' high 59° NE

Coal Bay 6' " 43° N

+ Inspected 10/2/38 by Mr. Benwell. size unchanged.

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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
1931						Waltham Abbey	3 miles NE

Station No..... 1236

## RAINFALL at Waltham Abbey (Romney Marsh)

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County of.... Essex

Observer..... Met. Water Board

River Basin..... Thames-Lea-1

Type of Gauge.....

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....

23.4 in computed by Mc Cormish (1938) 14.561245/36 File No. 893893/28

Diameter	5"			244	507						
Height	1' 0"										
Altitude	60'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.01	2.07	4.29	1.47	1.78	1.72	1.74	3.77	1.08	1.13	Totals, 28.06
February	2.30	.80	1.04	.91	1.36	2.74	2.10	1.29	.99	3.38	16.91
March	3.26	1.99	.33	.11	.66	1.21	5.29	.66	.80	.68	14.79
April	1.46	1.21	1.02	1.37	1.14	1.46	1.53	1.70	1.18	1.46	13.53
May	1.86	2.66	1.72	.70	2.46	2.20	.76	2.00	1.86	1.33	17.55
June	1.01	.15	1.42	1.83	1.73	2.50	2.54	2.13	.52	1.46	15.29
July	4.41	1.68	1.41	2.10	3.23	3.32	2.27	.62	1.47	3.24	23.75
August	4.21	1.51	1.13	3.47	1.11	3.74	.06	2.86	1.65	1.82	21.56
September	.70	1.07	1.79	2.65	1.68	3.45	1.84	1.45	.24	2.33	16.70
October	.66	4.11	2.25	3.04	2.58	1.43	.18	2.43	4.92	.28	21.83
November	2.11	2.22	1.52	3.48	.26	3.76	.72	2.14	2.29	4.57	23.07
December	1.62	2.27	1.50	1.16	3.23	1.92	2.13	2.25	1.27	1.49	18.84
TOTALS	25.61	21.74	19.42	22.29	21.22	29.45	20.61	23.30	18.27	23.17	225.08 18.84

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

Reference No.....

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

Station No. 1236 T.F.86

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## RAINFALL at Waltham Abbey (Rammey Marsh)

County of Essex

Observer Met. Water Board

River Basin Thames. Lea. 1

Type of Gauge M.O.

Annual Average... in. based on... years obs. un-weighted. Period of average... Ref.

" " 23.4 in. computed by Mr. Cornish (1938) ref. 561745/36

File No. 553222/8 E 31/6/46

B 22624/84

Diameter	23.89 in 5"	based on 354 days 1916-1950 244 507	Period of av. 1916-1950	R	P						
Height	1' 0"	1' 4"									
Altitude	60'										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.34	1.79	.83	1.01	2.16	3.60					
February	5.37	.55	1.30	2.26	1.63	.29					
March	2.94	2.67	.52	2.12	1.22	.80					
April	2.78	1.06	2.57	.24	.38	.93					
May	2.29	1.85	1.33	1.64	4.45	.58					
June	.49	1.24	1.44	2.90	2.53	2.65					
July	.80	.62	3.07	2.75	.14	3.80					
August	5.25	2.88	1.74	3.09	1.34	3.82					
September	3.09	2.96	1.74	1.46	1.98	2.13					
October	.70	2.31	2.97	2.11	3.41	2.63					
November	4.72	3.58	.79	3.77	.77	.53					
December	1.48	2.14	.51	1.86	1.63	(2.85)					
TOTALS	32.25	23.65	18.81	25.11	2164	24.41					
	D	D	D	D	D	D					

1950 17.11.56 P. sound. Quail 916.

100014

Inspected Sept 1956 M.-Deeks. Gauge leaked. measure at. field. Site not satisfactory but gauge loose in cinders. Recomn. repair & reset gauge.  
1956 - S.H. terminated 21.12. staff transferred to another works.

Position of Station on Ordnance One-Inch map :

No. of Map 161

National Grid Reference 51/376.993

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction 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
		✓	✓	✓	✓	

(but - 11.14.14)