

# RAINFALL AT *Ingatestone, Fryerning, Weelmead*

Lat. .... Lon. .... County of *Essex*

Rain Gauge, by *N. & J.* Observer *A. & B. Gristy Esq.*

*Blackwater - 14.*

Diameter ..	5										
Height ....	10										
Altitude ..	291			K							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..		.64	.84	1.97	2.28	1.04	3.37	.95	1.01	.81	
February ..		.53	1.12	.73	2.44	.91	2.02	1.00	1.38	.89	
March ....		2.43	1.46	1.80	1.62	3.04	1.37	.99	2.02	2.99	
April .....		1.85	.40	1.73	.71	1.97	.66	2.64	2.64	1.62	
May .....		1.10	2.53	1.92	1.54	1.17	1.76	1.38	1.51	1.13	
June .....		.87	3.46	6.28	1.31	2.89	1.67	1.87	.88	3.80	
July .....		2.14	1.03	4.77	2.23	1.22	.72	1.29	2.93	3.81	
August ....		1.19	3.02	4.48	1.16	2.72	.75	1.61	2.60	2.34	
September ..		1.34	.65	2.10	1.05	1.41	1.99	.63	1.26	2.17	
October ....		2.69	1.90	4.84	1.15	1.02	4.47	3.24	1.48	4.15	
November ..		.71	1.81	2.17	1.34	2.27	4.12	2.30	.99	1.00	
December ..	<i>2.62</i>	3.44	1.22	1.39	1.61	.76	2.31	3.11	4.04	3.04	
TOTALS ..		18.93	19.47	34.18	18.44	20.42	25.21	21.01	20.64	27.75	

1900 Fryerning Church 300 yards W

Birch Tree 7 ft high 21 ft NE

1903 Ingatestone Station 1 1/2 miles SE

Hyp. Sta. No. 15-23304

NGR: TL (52) 642001

alt. 88m

RAINFALL at Ingatestone Fayerney WellheadCounty of EssexObserver A. E. Christy EsqRiver Basin Blackwater 4Smarden Rain Gauge, by Nº 3

Diameter ...	5											
Height .....	10											
Altitude ...	297 ft							290				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.30	1.31	2.38	3.06	.79	2.55	1.16	1.24	3.06	3.18	864	
February ...	2.33	1.11	1.50	.73	2.16	2.50	2.73	.55	.88	2.78	794	
March .....	1.17	1.91	2.56	1.75	2.89	.90	3.87	1.54	.96	2.82	919	
April .....	1.18	1.10	.08	2.20	1.44	.84	1.31	1.56	2.72	3.07	866	
May .....	2.83	1.53	.94	1.37	1.55	2.29	1.59	3.30	1.67	.53	714	
June .....	1.96	1.91	2.54	.51	1.15	.98	2.26	1.04	.84	1.45	559	
July .....	1.93	.29	1.17	2.05	1.26	4.82	.90	4.25	5.59	2.01	1275	
August .....	1.88	.74	3.59	1.12	.93	2.61	3.75	3.90	1.04	2.01	1070	
September ..	1.02	1.34	2.29	.90	.93	2.13	1.13	1.14	3.66	1.16	709	
October ...	1.43	3.04	1.72	3.58	1.19	1.94	2.90	3.58	1.65	.91	904	
November ..	3.14	3.81	1.79	2.82	2.60	2.77	4.34	1.62	1.75	1.66	937	
December ...	3.06	3.83	2.71	.67	6.18	5.15	3.17	1.10	1.46	3.54	927	
TOTALS ...	23.23	21.92	23.27	20.68	24.07	30.78	30.11	24.82	25.28	25.17	10538	
	2	2	2	2	2	2	2	2	2	2		

1911 Jan 1 moved 10 ft. W  
 Bench due 22 ft high 22 ft NE + moving S to Jan 1 1911 10 ft SW

1914 Jan 1 moved 3 yds W SW  
 Shrub 8 ft high 20 ft SE

1915 Jan 1 moved 50 yds SE - "Well in the open"

Hyd. Sta. No. 85-233014

NGR: TL (52) 642001

alt. 88m

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.411	0.22 E	Ingatestone	1 mile	SE	Fayerney	20.76	W

RAINFALL at Ingalidone, Fryerning.County of EssexObserver H. B. ChristyRiver Basin BlackwaterLondon Rain Gauge, by slg.

Diameter ...	5											
Height .....	10											
Altitude ...	290											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930	
January ...	2.35	2.21	3.26	1.23	2.82	1.55	2.89	1.47	3.78	1.37	2.15	2.58
February ...	.40	.30	1.91	3.05	.78	2.44	2.76	3.40	1.44	.63	.56	1.76
March .....	1.19	.93	1.46	1.77	.87	.89	.37	2.34	2.66	.09	1.40	1.39
April .....	3.29	1.82	2.81	1.67	2.81	1.40	4.44	1.93	1.42	1.67	2.15	2.54
May .....	1.96	1.40	.92	1.58	3.85	2.53	1.00	1.13	2.40	1.78	2.57	2.12
June .....	1.44	.25	1.23	.81	1.85	.32	3.17	3.18	2.54	.84	1.16	1.67
July .....	3.10	.17	3.02	1.65	3.59	4.15	2.06	2.60	1.98	2.10	2.86	2.25
August .....	2.01	1.36	1.86	2.11	2.13	2.89	1.05	3.17	2.75	1.89	3.48	2.47
September...	3.47	2.46	2.98	1.68	2.65	2.66	.91	4.42	.73	.32	2.65	2.49
October .....	.85	.91	1.30	4.63	3.51	3.10	2.53	2.03	3.65	3.29	.93	2.67
November...	.58	1.73	1.59	2.00	3.50	1.82	4.17	2.58	1.99	5.41	4.03	2.94
December...	2.40	1.26	2.42	2.05	3.20	2.46	.56	3.12	3.25	4.25	2.25	2.72
TOTALS...	23.04	14.80	24.76	24.23	31.56	26.21	25.91	31.37	28.59	23.64	26.19	28.30
	D	D	D	D	D	D	D	D	D	D	D	D

1940. Rain gauge at 242 5 S.  
1930. Gauge moved 24th Aug. 5 yds W.

Hpt. Sta. No. 15-23304

NGR. TL (52) 642001

alt. 88m

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map

Reference No.

Date.	Lat. N.	Long. E	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 41'	0.22	Ingalidone	1 mi	SE.	Fryerning	200 yds	W



RAINFALL at Ingatstone (Fryerning)County of EssexObserver H. E. Christy, Esq.River Basin Blackwater - 4Type of Gauge Snowdon

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

" 23.3 in. computed by Mr. Cornish (1928) Ref. 561245/36

3466/30

Diameter	5.										
Height	0.9.		1.0								
Altitude	290.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.08	1.41	1.20	1.44	1.42	4.02	3.57	2.59	5.03	1.78	2455
February	1.80	.25	1.03	.38	2.07	1.86	4.13	.53	.98	1.87	1460
March	.33	1.32	1.51	2.28	.81	.91	2.63	.41	1.65	2.93	1478
April	3.37	2.32	.92	1.82	3.05	1.14	3.17	.22	3.08	1.67	2076
May	2.82	3.20	1.32	.56	1.16	.30	2.67	1.80	1.69	1.57	1709
June	1.76	.83	1.81	1.30	3.65	4.51	1.95	.36	.99	.32	1748
July	2.92	2.47	1.01	1.43	.50	3.00	3.04	.91	3.24	3.09	2164
August	3.52	.85	.48	1.83	1.61	.57	.70	2.05	4.42	.03	1606
September	1.85	2.36	2.13	1.37	3.32	2.91	1.53	3.20	.59	1.45	2071
October	.86	4.97	1.52	1.51	2.21	1.78	1.36	2.86	1.35	2.74	2616
November	2.17	1.15	1.14	2.31	4.05	3.10	1.95	2.98	4.20	6.68	2973
December	.73	.45	.68	4.85	2.41	1.94	3.79	2.89	1.33	1.33	2045
TOTALS	24.26	21.58	14.75	21.08	26.26	23.78	30.49	20.80	33.55	25.46	2440

1931 Rose bushes 4' high 8' S  
1934 " " " 16' SHgt. Sta. No. 15-238014  
NGR: T2(52) 642001  
alt. 88mPosition 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
1931			Ingatstone	1 mile	SE	Fryerning	300 yds	W

Station No.

1267

RAINFALL at

Ingatestone (Tyerning)

41

County of

Essex

Observer

A.E. Christie, Esq.,

died Jan. 1946.

River Basin

Blackwater - 4

Type of Gauge

Snowdon

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

Ref 561245/36

" " 23.3 in. computed by Mr Cornish (1938) File No. 3466/30  
 " " 24.12 in. based on 15 years 1916-1930 Period 1916-1950 1947-1950

Diameter	5"											
Height	1' 0"						1945					
Altitude	290'						-50					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.95	2.04	4.71	1.46			11.11				21.27	
February	2.32	1.14	1.00	.87			11.15				16.48	
March	2.71	2.49	.35	.17			9.46				15.18	
April	1.36	.83	1.26	1.54			7.78				12.77	
May	1.49	2.10	1.60	.82			10.65				16.66	
June	.75	.29	1.44	1.61			10.91				15.00	
July	3.11	1.81	1.34	1.80			12.43				20.49	
August	3.95	1.91	1.31	2.30			11.47				20.94	
September	.38	1.98	1.98	2.92			9.92				17.18	
October	.94	3.16	1.67	3.27			10.92				19.96	
November	2.36	2.36	1.27	3.57			13.37				22.93	
December	1.60	2.20	1.63	1.35			12.38				19.16	
TOTALS	22.92	22.31	19.56	21.68			131.55				218.02	

1241. Rose bushes 4' high 16' S.

Completed from Journals 1286

Hyd. Sta. No. 15-233014

N.A. T.L. (52) 642001

alt. 88m

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.
1941			Ingatestone	1m.	S.E.	Tyerning	300 yds.	W.

BRITISH RAINFALL ORGANIZATION

1916-1950, P-accepted

(4136-50) WL 4795-4472 12,000 2/40	T.S. 700	1910-19	1920-30	1931-40	1941-50
Record		✓	✓	✓	✓
D.O.D.		✓	✓	✓	✓
					1941-44 T.