

# RAINFALL AT *Spawick Belstead Hall*

Lat. ....

Lon. ....

County of *Suffolk*

*orwell - 2* *Smardon Rain Gauge*, by

Observer *A. Harwood Esq.*

*Stone - 1. New Gauge*

Diameter ..	8										
Height ....	1.6										
Altitude ..	120 T		150	145							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.91	.51	.75	1.90	2.24	.74	2.21	1.04	1.04	.71	
February ..	2.39	.85	.79	.34	2.33	.89	1.96	.89	1.61	1.22	
March ....	1.04	2.16	1.27	1.42	1.96	1.76	1.31	1.13	1.55	2.39	
April .....	.97	1.68	.89	2.07	.90	1.83	.84	2.80	2.27	1.70	
May .....	.91	.55	3.09	3.99	1.80	1.28	1.23	2.09	1.53	1.06	
June .....	2.77	1.62	3.23	3.91	1.04	3.15	2.39	2.02	.86	3.87	
July .....	1.03	1.97	1.40	4.73	1.75	.19	.55	1.78	3.88	3.40	
August ....	3.18	1.24	2.91	3.43	1.30	2.09	.44	2.48	1.85	2.29	
September ..	.62	.96	1.13	2.52	1.05	1.21	1.26	.61	.88	2.27	
October ....	1.87	2.29	1.52	4.29	.81	1.32	3.52	3.12	1.40	3.96	
November ..	2.15	.58	1.82	2.00	1.21	1.99	3.25	1.72	.92	1.15	
December ..	2.67	3.96	1.32	1.22	1.64	.79	1.70	2.63	1.57	3.55	
TOTALS ..	22.51	18.36	imp	31.82	18.03	17.15	20.69	22.31	19.36	27.57	

1900 Belstead Church 100 yards S

Church 40 ft high 300 ft S

1902 March 1<sup>st</sup> Gauge moved 6 miles S

East Berghall Church 1/2 mile S E

Tree 30 ft high 60 ft N E

Manningtree Station 3 1/2 miles E. S. E

*Not a continuation record.*

Belstead Hall. see later for continuation of this record.

RAINFALL at East Bengholt Actworth House

County of Suffolk Observer A. Harwood Esq  
 River Basin Starna 1  
Smarden Rain Gauge, by \_\_\_\_\_

Diameter ...	8										
Height .....	1.6										
Altitude ...	145								141 -14.		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.42	1.18	2.48	2.33	1.60	2.39	1.28	1.43	7.86	2.29?	
February ...	1.77	.99	1.10	.56	1.80	2.73	3.73	.38	4.39	1.80?	
March .....	.96	1.73	2.54	1.43	4.05	1.26	3.72	1.77	5.43	1.83?	
April .....	2.12	.99	.16	2.02	.78	.78	1.35	1.17	7.49	3.80	
May .....	2.54	.73	1.13	1.69	1.01	2.16	2.02	1.48	3.86	.44	
June .....	1.58	2.01	2.46	.88	1.02	1.13	2.27	.76	3.14	1.27	
July .....	2.89	1.62	2.06	1.67	1.93	3.77	1.10	2.20	8.72	2.25	
August .....	2.96	.52	5.43	.71	.65	2.08	4.37	3.80	7.54	2.26	
September ..	.81	1.44	2.60	1.30	.99	1.58	1.08	.88	5.04	.56	
October ...	1.25	2.58	1.53	3.33	1.61	1.28	2.32	2.69	6.57	1.25	
November ...	2.69	3.03	2.17	3.13	2.27	1.87	4.11	1.39	5.60	2.12	
December ...	3.67	3.86	2.01	.63	5.23	4.67	2.82	1.20	8.08	3.20	
TOTALS ...	24.66	20.68	25.67	19.65	22.94	25.70	30.17	19.15	73.72 NR.	23.07?	

1910 has 30 ft high 20 yds NE

1917 Leaky

1919. G. Leaky Jan-March. Not printed.

New gauge April 1st.

NB. Rejected from Survey as 3" low.

Lancaster Place Hall  
Grove 6

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.57. N	1.1. E	Manningtree	4 miles	SE	Bengholt.	1/2 mile	SE.

RAINFALL at East Bergholt, Ackworth House.County of SuffolkObserver A. Harwood Esq.River Basin Ston 1.London Rain Gauge, by N. 3.

Diameter ...	8											
Height .....	1	6										
Altitude ...	145											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930	
January ...	1.83	2.20	3.33	1.05	1.87	.93	1.53	.96	2.38	1.56	1.59	1423
February ...	.50	.31	1.61	2.57	.78	2.04	1.96	2.40	1.05	.46	.75	1443
March .....	1.17	.87	1.42	1.31	.41	1.14	.18	2.11	2.46	.05	1.39	1251
April .....	4.65	1.12	2.32	.88	2.52	1.24	3.53	1.82	1.50	1.49	1.66	2273
May .....	.79	1.34	1.21	.69	4.33	2.09	1.25	.83	1.28	1.43	2.27	1751
June .....	.99	.15	1.06	.60	1.53	.28	2.37	4.10	1.92	.76	.66	1442
July .....	3.03	.29	2.28	1.22	3.05	1.89	1.97	3.51	1.84	2.61	4.01	2571
August .....	2.30	1.08	.97	1.30	3.36	2.25	1.30	3.02	2.28	1.04	2.14	2104
September...	3.17	2.08	3.52	1.13	1.79	2.09	1.01	2.86	.67	.72	4.42	2346
October .....	.76	1.08	.89	3.57	4.01	2.42	2.85	1.69	1.72	2.49	.85	2233
November...	.79	1.34	1.15	2.67	2.20	1.85	3.62	2.14	1.99	4.39	2.91	2508
December...	2.03	.84	1.65	2.30	2.27	1.55	.66	2.08	3.52	4.17	1.96	2383
TOTALS...	22.81	12.70	21.41	19.29	28.12	19.77	22.23	27.52	22.61	21.17	24.61	212.24
	D	D	D	D	D	D	D	D	D	D	D	

1920 2nd 60 ft. 4 ft. 10 ft. NE  
over

NB. Reflected from Survey as 3" low.

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	Parish Church.	Distance from gauge	Direction
1920.	51.57	1.00	Cherryhill	4 mi	E	East Bergholt	5 mi	E

RAINFALL at East Bergholt (Ackworth Ho.)County of SuffolkObserver A. Harwood Esq.River Basin Stour - 1Type of Gauge Sneydon M.O. (1939)Annual Average 2.5 in. based on 30 years obs. un-weighted. Period of average 1861-1915 Ref. 16379

825087/28

Diameter	9.											
Height	1.6.					1.0						
Altitude	145.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	1.06	.86	1.05	1.19	2.66	3.30	(3.60)	2.50	5.45	1.46	2.13	24.13
February	1.85	.46	1.22	.24	2.77	2.32	(3.12)	.62	0.87	1.50	1.515	15.15
March	.27	.98	1.62	1.98	.65	.64	(3.70)	.45	1.69	2.61	1.359	13.59
April	2.61	1.87	.72	2.68	2.52	1.20	(2.40)	.36	2.07	1.50	1.793	17.93
May	2.08	3.37	1.31	1.20	1.65	.59	(2.20)	1.49	1.38	.50	1.577	15.77
June	1.18	.61	1.43	.70	2.76	3.41	(1.60)	.42	1.60	2.0	1.391	13.91
July	2.52	1.90	1.40	1.09	.24	2.80	(1.90)	1.38	1.41	2.66	1.650	16.50
August	2.83	.62	.89	1.73	1.05	.78	(1.80)	1.47	1.48	.13	1.328	13.28
September	1.49	1.33	2.90	1.27	3.09	2.09	(1.70)	1.73	0.22	.89	1.471	14.71
October	.65	4.53	1.65	1.71	2.78	1.52	(4.50)	2.86	7.35	2.17	2.672	26.72
November	1.56	1.23	1.66	1.51	4.09	3.33	(1.20)	2.34	3.86	6.06	2.084	20.84
December	.64	.36	.52	4.09	2.61	1.51	(3.40)	2.81	1.18	1.81	1.893	18.93
TOTALS	18.74	18.12	16.37	19.39	26.87	23.69	(26.10) NR	18.43	29.06	21.49	21.826	218.26

1931. Tree 75' high 30 yds NE.

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
1931			Manningtree	4m	E	East Bergholt	½m	E

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 1332

RAINFALL at East Bengholt (Aldershot H.A.)

41

County of Suffolk

Observer A. H. [unclear] Esq.

River Basin S. 1

D. H. F. HARRISON, Esq. (1938)

Type of Gauge M.O.

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

File No. 82508728

Diameter	8"			226	729							
Height	1' 0"				1							
Altitude	145				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
January	1.88	2.37	3.71	1.48	1.30	1.15	3.49	3.21	1.08	1.26	2093	
February	1.63	.65	.59	1.21	1.38	1.53	1.81	1.19	1.11	2.42	1352	
March	2.85	2.48	.46	.23	.91	1.14	4.23	.80	.91	.67	1468	
April	1.25	.57	.72	1.52	.79	1.19	1.47	1.50	1.19	1.08	1128	
May	1.42	2.40	1.38	.59	2.46	1.62	.56	.82	2.38	1.34	1507	
June	.66	1.82	1.67	1.76	2.10	2.75	1.87	2.67	.55	1.06	1691	
July	1.61	1.83	.93	2.18	1.27	2.71	1.29	1.01	1.03	2.67	1653	
August	3.46	1.39	.94	2.45	2.88	3.67	.04	4.04	1.66	1.92	2245	
September	.23	1.79	2.56	3.04	1.83	1.97	1.37	1.25	.89	3.35	1828	
October	1.95	3.96	1.20	4.54	1.39	1.33	.22	1.86	4.29	.41	2115	
November	2.47	2.26	1.47	3.32	.70	2.96	.94	1.63	2.19	3.42	2136	
December	1.53	2.48	1.39	1.21	2.32	2.84	3.56	1.25	1.69	1.52	1979	
TOTALS	20.94	24.00	17.02	23.53	19.33	24.86	20.85	21.33	18.97	21.12	21195	

1941. Tree 75ft. high 30yds N.E.

1947 Tree 100ft. high 20yds N.E.

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.			Manningtree	4mb.		East Bengholt	1/2 m.	E.

Station No. 1332

RAINFALL at East Bergholt (Ackworth Ho.)

51

County of Suffolk

Observer A. H. F. Harwood Esq. Moved to 1953

River Basin Stour - 1

Type of Gauge M.O.

Capt. J. D. Church s/sa  
M. H. de Zoete, Esq. 11/1/60

Annual Average 23.09 in, based on 25 years obs. un-weighted. Period of average 1916-50 Ref S

File No. 825087/28

Diameter ...	8			226	729						
Height ...	1'-0"										
Altitude ...	1145'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	1.61	2.36	.71	1.21	2.29	3.32	1.13	2.30	1.86	2.16	18.95
February ...	3.72	.69	.99	2.12	1.97	.59	2.42	2.29	.16	1.19	16.14
March ...	2.64	2.99	.28	2.18	1.24	.86	1.12	.80	1.33	1.66	15.13
April ...	2.54	1.14	1.65	.39	.17	.79	.20	.90	1.84	.55	10.20
May ...	2.13	1.18	1.43	1.83	2.60	1.02	1.45	2.01	.32	.75	14.72
June ...	.95	1.34	4.03	2.63	2.37	1.84	1.74	5.27	1.14	.77	22.08
July ...	2.16	.58	2.99	2.67	.16	2.40	3.02	3.26	1.27	4.73	23.23
August ...	3.34	2.66	1.47	3.52	2.08	3.43	2.86	3.57	1.26	3.78	27.97
September ...	2.14	2.89	1.70	1.32	1.26	1.73	2.94	2.67	.20	2.82	19.47
October ...	.55	1.87	2.06	1.72	4.22	1.27	1.69	2.37	1.55	6.19	23.49
November ...	3.42	4.09	1.39	3.57	.67	.65	2.49	1.10	1.90	3.46	22.74
December ...	1.80	2.47	.67	2.12	1.48	1.89	1.93	3.59	3.36	2.65	21.96
TOTALS ...	27.05	24.26	19.37	25.28	20.51	19.79	22.99	30.13	15.99	30.71	236.08
	D	D	D	D	D	D	D	D	D	D	

1951 Tree 100' high at 60' N.E.

1956 Tree 125' at 20' N.E.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 1162 065350

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Manningtree	4 1/2 mi. S.E.	East Bergholt	1/2 mi. S.E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Revised

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-16, n.p. 17, 19 NR 18	✓ 23?	31-36, 38-40	✓	✓
	✓	✓	✓	✓	✓