

RAINFALL at

Breda Waterworks

County of SurreyObserver P. H. Palmer Esq. R.River Basin Rother 6

Rain Gauge, by

Diameter ...							8					
Height							1.0					
Altitude ...							50	32400				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...							1.61	1.47		5.65		
February ...							4.44	.94		2.98		
March							4.03	1.88		4.38		
April							1.68	1.92		3.03		
May							2.05	1.81		.20		
June							2.75	2.13		.51		
July							1.11	1.97		3.03		
August							1.85	3.67		2.75		
September..							1.34	1.00		1.08		
October ...							5.54	4.63		1.13		
November..							5.60	1.91		3.84		
December...							5.52	2.69		4.57		
TOTALS ...							37.52	26.02	N.R.	33.15		

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919	50°50'55"	0°34'55"E	Wickham Hall	1½	S. E.	Breda	¾	E. N. E.

RAINFALL at Brede Pumping StationCounty of SussexObserver J. H. Palmer Esq. C.E. died 28.1.25River Basin Pother 6G. H. Whitaker, C.E.A.O. Rain Gauge, by H. J.
(127)S. Little C.E.
Borough & Water Eng. Works
of Groombridge (Sussex)

Diameter ...	5"						8				8
Height	1 3		1 0								1 0
Altitude ...	37		35	37			33		32.65		32
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1931
January ...	4.06	2.73	3.98	1.57	2.44	3.80	3.50	2.69	5.36	1.32	3.24
February87	.63	(2.88)	4.16	1.12	4.12	3.61	3.99	1.51	.90	1.13
March	1.63	1.70	(2.67)	1.88	1.85	.54	.31	3.91	1.78	.00	2.25
April	2.74	1.76	2.89	2.56	3.45	2.40	3.26	1.80	3.04	.59	1.35
May	1.70	1.23	.58	3.39	3.82	2.75	2.66	.76	2.19	2.28	2.02
June	1.94	.06	1.60	.57	1.96	.12	2.83	4.27	2.20	1.36	1.43
July	3.45	.27	2.35	.82	3.09	4.01	1.39	2.97	1.22	1.45	3.28
August	1.87	1.01	1.79	2.31	3.77	1.21	1.31	3.91	1.79	2.17	3.81
September...	3.09	.76	3.06	2.64	2.84	2.57	.47	4.48	.29	1.02	3.27
October	1.21	.76	1.49	6.62	4.66	3.57	3.04	2.07	7.59	4.22	3.17
November...	1.79	1.10	2.05	3.08	3.25	3.63	7.65	3.27	4.10	6.96	5.91
December...	4.56	2.68	3.93	3.95	4.97	4.92	1.05	5.33	2.79	8.28	3.62
TOTALS...	28.91	14.69	(29.27)	33.55	37.22	33.64	31.08	39.45	33.86	30.55	34.48
	D	D	D	D	D	D	D	D	D	D	D

1922 Feb 26th March 4th data from maps.

1930. Pugin's House 40' high, 30 yds. S.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	50° 55' 00"	0° 34' 50"	Battle	4 mi	S W	Brede	3/4 mi	N E
1930			Doleham Hall	1 m.		"	1 m.	N.

RAINFALL at Brede Pumping StationCounty of SussexObserver S. Little Esq. C.E.River Basin Rother 6Hastings Water EngineerType of Gauge A.O.Annual Average 28.3 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. Survey.
Computed IX/36. 685233/26

Diameter	8				5	3						
Height	10				10							
Altitude	32				26							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.04	2.32	2.62		1.06	6.27	5.90	4.37	6.02	1.91		
February	2.66	21	1.90		4.14	2.06	5.84	.68	1.52	1.75		
March	.76	1.16	2.05		.35	1.28	4.33	.47	2.08	2.38		
April	2.71	2.62	1.31		3.77	1.94	2.92	.47	2.16	1.17		
May	1.97	2.23	1.39		1.72	.25	2.06	2.50	1.77	1.17		
June	1.03	1.68	0.74	1.89	1.84	3.92	1.56	.57	1.39	1.06		
July	2.30	4.08	1.42 (1.16)	.85	.64	3.55	1.04	1.76	1.85	2.68		
August	3.79	.44	1.06 (5.11)	2.37	4.65	1.46	1.80	1.42	1.76	-		
September	1.81	1.99	2.76 (2.01)	1.89	4.71	3.04	2.78	2.51	.66	2.16		
October	.48	8.20	1.84 (1.84)	2.54	4.60	1.09	3.20	4.09	6.88	3.33		
November	4.54	1.05	0.58 (0.58)	3.31	6.87	4.30	1.51	3.74	6.30	7.44		
December	.70	23	6.77 (2.16)	7.99	3.45	2.48	4.15	(3.59)	1.79	2.14		
TOTALS	24.79	26.21	26.62 (22.16) #d	imp	37.80	31.64	37.09	26.17	34.18	27.19		

1931, Engine house 40' high, 50' N.

Tree 3

25' " , 80' E.

25' " , 70' S.

It had seems to have developed about July, 1931, increasing to serious proportion in August 1933. Observer, in reply to query sent, says 5/6/34, container of rain gauge was found to be defective and is being put into sound condition.

1933, Aug-Dec estimated by near station, rfp. in view of estimation.

1938 Dec. 19th - block amended for snow.

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 Direction from gauge	Parish Church.	Distance Direction from gauge
1931.			Battle	4 m. S.W.	Brede	3/4 m. N.E.

Station No. 554**RAINFALL** at Brede Pumping Station

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County of SussexObserver (Hastings) Water EngineerRiver Basin Rother L.A. Lumsden for J. J. Walker 1943Type of Gauge M.O.Annual Average 22.2 in. based on 12 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S.File No. 6.852.33.2b

Diameter	8"			308	361		5"				
Height	1' 0"				1		1' 0"				
Altitude	26'				41		26				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.51	2.63	4.65	1.61	1.66	2.89	2.53	4.78	1.04	1.17	
February	2.74	.52	1.60	.95	1.39	3.46	1.96	1.52	1.12	5.05	
March	2.39	3.21	.29	-.02	1.08	1.80	7.15	.71	1.73	1.43	
April	1.32	.47	1.53	1.09	.92	1.93	1.85	1.50	.57	2.25	
May	1.66	2.65	2.03	.57	1.87	3.56	1.57	1.70	1.58	1.21	
June	1.61	.41	1.30	1.21	.75	2.73	2.70	1.59	.75	1.00	
July	3.20	1.90	2.00	2.03	2.16	3.29	2.65	1.86	1.07	2.28	
August	4.73	1.76	1.05	2.89	.94	5.56	.01	3.66	1.08	2.45	
September	.19	3.32	1.29	2.37	1.72	2.88	1.01	2.60	2.71	2.58	
October	1.10	3.25	2.82	4.73	2.64	1.49	.38	1.31	3.03	1.26	
November	3.75	2.04	1.48	5.70	2.4	4.81	1.61	2.24	4.45	7.37	
December	1.46	2.67	1.95	1.62	4.11	3.87	2.65	2.90	1.57	2.85	
TOTALS	27.66	24.83	21.99	24.19	19.48	38.27	26.07	26.37	25.70	30.90	

1944 Equips states gauge sound; site unsuitable by this to S. new site to be chosen
 1946 Electricity sub station 75' high 90° E. 90° 10' 46" only if new site chosen

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 Direction from gauge		Parish Church.	Distance Direction from gauge.	
1946			Battle	6m	N.	Brede	1m	N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 554

RAINFALL at BREDE (PUMPS STATION)

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County of. SUSSEX

Observer

WATER ENGINEER (HASTINGS)

River Basin. ROTHER - 6

Type of Gauge. M.O. Spl. base of 154. Figure in rain

Annual Average 28.3 in. based on 19 years obs. unweighted. Period of average 1881-1915 Ref. S

30.78 " " 23 " " within 1920-57

116-50

File No. 685233/26

Diameter	5"			308	361						
Height	1' 0"				1						
Altitude	26'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	4.47	3.39	1.11	1.48	4.68	5.40	2.37	4.10	3.12	2.95	
February	6.81	1.45	1.73	2.69	2.19	.89	4.70	3.01	.05	2.87	
March	4.44	3.04	.17	3.86	1.72	.48	1.50	1.50	1.76	2.68	
April	2.30	1.31	1.97	.42	.31	1.46	.39	1.53	2.71	1.23	
May	1.31	1.72	1.37	2.21	4.17	.37	.99	2.24	.62	2.81	
June	1.34	.85	2.40	2.60	2.18	2.16	1.48	3.66	.39	1.61	
July	2.50	.65	3.03	4.00	1.26	2.37	4.88	2.81	2.64	2.78	
August	5.13	4.41	2.33	3.62	2.09	4.96	2.25	5.18	.76	4.52	
September	2.54	4.53	4.11	3.24	2.18	3.11	3.63	3.52	.15	2.61	
October	2.67	3.22	3.56	2.67	4.91	1.40	1.55	5.38	3.77	7.65	
November	5.71	4.61	2.12	6.17	1.45	.73	3.62	1.94	5.03	7.20	
December	2.68	3.56	8.4	2.09	4.01	3.89	2.11	4.04	7.59	2.82	
TOTALS	2.40 44.95	32.74	24.74	35.05	31.15	27.22	29.47	33.41	28.89	42.73	
	D	D	D	D	D	D	D	N.P.	D	D	

Imp 9179 this house. outcrop split at peak with split base. Sole upaid
 Site moved recently from Westward point below trees & main boundary to grass slope. To be
 moved again to open hillside about 40 yds S. Rec. could only 12/54
 1938 at gauges split site poor.

9/7/55

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference TQ 51 814 178

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	61916 NR18	✓	✓ NP imp 34	✓	
	✓	✓ but d 27.20	✓ but d 31.33	✓ but d 42.43	