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RAINFALL at Breda WaterworksCounty of SussexObserver P H Palmer Esq M.R.River Basin Rother

Rain Gauge, by _____

Diameter ...							7				
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		2.20	
June							2.75	2.13		3.51	
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	Dulham Hall	1½	S.E.	Breda	3½	E. N. E.

RAINFALL at Brede Pumping Station

County of Sussex

Observer P. H. Palmer Esq. C.E. died 28.1.25

River Basin Rother 6

G. H. Whitaker, C.E.

A.O.
(127) Rain Gauge, by N.Y.G.S. Little C.E.
Borough of Waterough Hastings
Greenwell (agent)

Diameter ...	5"										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
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	.66	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	8.33	2.49	8.28	3.62
TOTALS...	28.91	14.69	(29.27)	33.55	37.22	33.64	31.05	39.45	33.86	30.55	34.48

1922 Feb 26th March 4th late for maps.

1930. Eugenie 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° 53' 00"	0° 34' 50"	Battle	4 mi	SW	Brede	3/4 mi	NE
1920			Waleham Knob	1 m.			1 m.	N.

RAINFALL at Breden Pumping Station

County of SUSSEX

Observer S. Little Esq. C.E.

River Basin Rother 6

Hastings Water Engineer

Type of Gauge A.D.

Annual Average 28.3 in. based on 18 years obs. un-weighted. Period of average 1881-1915

Ref. Summary.

Bromford 3/36.

685233/26

Diameter	8			5	8						
Height	10			10							
Altitude	32			26							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.04	2.52	2.62		1.06	6.27	5.90	4.37	6.02	1.91	
February	2.66	2.1	1.93		4.14	2.06	5.84	4.68	1.52	1.75	
March	1.76	1.16	2.05		3.35	1.28	4.33	4.47	2.08	2.38	
April	2.71	2.62	1.31		3.77	1.94	2.92	4.47	2.16	1.17	
May	1.97	2.23	1.39		1.72	1.25	2.06	2.50	1.77	1.17	
June	1.03	1.68	0.74	1.89	1.84	3.92	1.56	1.57	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	4.44	2.87 (5.11)	4.65	1.46	1.80	1.42	1.76	-		
September	1.81	1.99	3.76 (2.01)	1.89	4.71	3.04	2.78	2.51	1.66	2.16	
October	1.48	8.20	2.28 (1.84)	2.54	4.60	1.09	3.20	4.09	6.28	3.33	
November	4.54	1.05	3.66 (0.58)	3.21	6.87	4.30	1.51	3.74	6.30	7.44	
December	1.70	2.3	0.17	7.99	3.45	2.48	4.15	(3.59)	1.79	2.14	
TOTALS			(22.16)								
	24.79	26.21	+8.12	Imp	37.80	31.64	37.09	26.17	34.18	27.19	

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

Trees 25' " 80' E.

25' " 70' S.

Cloud seems to have developed about July, 1933, increasing to a maximum 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 stations, n.p. in view of estimations.

1938 Dec 1938 - Dec 1939 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 from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931.			Battle	4 m.	S.W.	Breden	3/4 m.	N.E.

Station No. 1554

RAINFALL at Breda Pumping Station

41

County of Sussex

Observer H. A. King (Met. Engineer)

River Basin Rother, b.

A. Simonds for D. J. Walker 1943

Type of Gauge M.I.O.

Annual Average 29.3 in. based on 19 years obs. un-weighted. Period of average 1931-1955. Ref S.

File No. b.85.2.23/2.b

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
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	8.03	1.26
November	3.75	2.04	1.48	5.70	.24	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	24.79	19.48	38.27	26.07	26.37	25.70	30.90

1944 Equates states gauge sound; site oversteeped by two to 65°. new site to be chosen.
 1946 Electrically sub station 15' high 90° E. 40.41046 only if new site in use

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

Station No. 524

RAINFALL at BREDE (PUMPING STATION)

51

County of SUSSEX

Observer WATER ENGINEER (HASTINGS)

River Basin ROTHER - 6

Type of Gauge M.O. Sp. base of 12 ft. maximum range

Annual Average 28.3 in. based on 18 years obs. unweighted. Period of average 1881 - 1915 Ref. S
30.78 " 23 " within 1920-57 196-50 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	1.81	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	.66	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	84	2.09	4.01	3.89	2.11	4.04	7.69	2.82	
TOTALS	41.95	32.74	24.74	35.05	31.15	24.22	29.47	38.91	28.89	42.73	
	D	D	D	D	D	D	D	N.P.	D		

Drop 9159 from Rother. Catchment split at junction with Spreydon brook.
 Site moved recently from flat land just below trees to main bank to grass slope. To be moved again to grass below about N40°E 5'. Rec caid out by 12/59
 1958 mt gauge split site poor.

9159

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference TQ(5)814178

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

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 1916 NR 18	✓	✓ NPimp 34	✓	
		✓	✓ N.W. 27, -	✓ N.W. 31, 33	✓ but d 42, 43	