

RAINFALL AT *Hastings Buckshole & Newgate Res.*

Lat. _____

Lon. _____

County of *E Sussex*

Rain Gauge, by _____

Observer *P. H. Palmer Esq*

Diameter	8											
Height	0 8	10										
Altitude	106	240										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.06	3.20	.63	2.07	3.25	2.41	1.11	2.22	.73	2.30	2.098	
February	1.18	.03	1.68	3.63	2.28	.20	.27	2.17	1.20	2.26	1.490	
March	2.45	2.40	1.63	.32	1.45	2.29	2.52	3.94	1.07	.61	1.878	
April	2.96	.61	1.62	.00	2.11	2.07	.60	1.94	.94	2.97	1.582	
May	1.49	2.72	.28	.60	1.50	.06	.22	.86	4.14	1.16	1.303	
June	2.07	1.67	2.06	.71	1.72	.62	3.06	2.44	1.77	.78	1.690	
July	3.91	1.38	1.69	3.53	5.86	3.11	1.44	.49	.66	.96	2.303	
August	3.64	5.68	2.65	1.41	1.80	2.86	3.05	3.93	1.36	.74	2.712	
September....	1.30	1.01	2.41	4.05	3.52	.77	5.25	3.26	.63	4.68	2.688	
October	1.30	4.84	7.06	5.14	5.84	5.19	4.97	.07	2.28	2.74	3.913	
November....	3.10	2.72	3.41	2.00	3.59	5.58	1.61	1.66	3.16	3.60	3.043	
December ....	.67	2.83	2.52	2.11	2.14	3.39	3.92	2.37	2.65	2.52	2.512	
TOTALS ...	27.13	(29.09)	27.64	25.57	35.06	28.65	28.02	25.35	20.59	25.32	(27.242)	

1891 April 1 Gauge moved 1/4 mile

RAINFALL AT *Hastings Newgate Reservoir*

Lat. Lon. County of *Essex* 5

Rain Gauge, by Observer *P. H. Palmer Esq. C.E.*

Diameter ..	5											
Height	0 10											
Altitude ..	240											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.68	.45	1.20	2.13								
February ..	5.85	1.94	1.09	1.33								
March ....	.94	1.91	1.38	1.49								
April	1.39	1.87	.62	1.53								
May	1.16	.73	1.83	1.65								
June	2.48	1.17	2.15	2.34								
July	1.31	1.38	.70	4.23								
August	1.74	2.13	4.24	2.35								
September ..	.89	.86	3.32	2.88								
October	2.73	2.50	2.23	3.50								
November ..	3.12	.19	1.97	1.92								
December ..	3.81	4.15	2.16	1.84								
TOTALS ..	29.10	19.28	22.89	27.19								

1900 *St Peters Church 467 yards S.W.*
 1903 *about 5 inches too little*

RAINFALL AT Hastings Newgate Reservoir

Lat.

Lon.

County of East Sussex

Automatic

Rain Gauge, by

Observer

P. H. Palmer Esq. C.E.N+Z

Diameter ..				10	8						
Height ..				5	6						
Altitude ..				240							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				2.90	3.90	1.07	4.28	1.05	1.23	1.17	
February ..				1.80	2.85	.61	2.18	1.09	1.11	.31	
March				1.83	1.32	4.27	1.24	.74	2.30	3.73	
April				1.92	1.07	1.61	1.25	2.56	1.94	2.33	
May				1.67	2.05	1.10	2.65	1.84	.97	1.14	
June				2.92	1.40	3.20	1.39	2.59	1.64	2.46	
July				4.84	.76	.82	.19	2.80	2.81	2.14	
August				2.67	1.26	2.85	.71	1.13	3.81	3.43	
September ..				2.72	1.09	3.53	1.09	.64	2.53	3.51	
October				4.37	2.05	2.11	3.94	4.89	1.67	5.30	
November ..				2.36	1.66	5.17	6.54	2.51	1.06	.73	
December ..				2.02	2.91	1.03	2.16	2.84	2.74	6.02	
TOTALS ..				32.02	22.32	27.37	27.62	24.68	23.81	32.27	

1905 St Peter's Church $\frac{1}{4}$ Mile W

Warner Sq Station 1 . W

House 30 ft high 150 ft SE

RAINFALL at Hastings NewgateCounty of SussexObserver P. H. Palmer Esq. C.E.River Basin Cuckmere C 5Rain Gauge, by N+3

Diameter ...	8											
Height	56											
Altitude ...	240											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum
January ...	2.35	1.46	3.19	4.43	.92	3.82	1.43	1.40	3.74	3.80		16.18
February ...	3.22	1.38	2.70	1.14	2.84	3.96	4.23	1.10	1.00	2.85		10.37
March	1.38	1.94	3.29	2.22	5.33	.49	3.57	1.78	.92	3.35		9.18
April	1.72	1.61	.05	2.90	.94	1.69	1.44	1.80	1.59	2.49		7.32
May	2.50	.69	.95	.84	.74	3.06	2.18	2.43	1.00	.42		6.03
June	1.71	1.87	3.24	.98	1.54	.84	2.61	2.25	1.17	.53		6.56
July	2.66	.29	1.48	2.41	1.15	3.42	.88	3.22	3.02	1.84		8.70
August	1.92	2.10	5.57	1.73	.97	1.52	2.12	6.09	1.43	2.48		12.12
September ..	.28	1.31	2.96	2.29	1.46	2.36	1.25	.93	6.42	.71		9.31
October ...	3.79	6.58	4.28	5.17	2.65	2.53	5.58	4.53	2.04	1.00		13.13
November ...	6.38	6.49	2.22	3.64	3.59	3.19	6.01	2.23	1.97	4.83		15.04
December ...	2.71	6.93	3.39	1.48	7.91	7.42	5.06	4.26	1.76	4.67		15.73
TOTALS ...	30.57	32.65	33.32	29.23	30.04	34.30	36.36	32.02	26.06	28.97		123.47
	D	2	2	2	2	2	2	2	2	2		11.10

1910 House 30ft high 60 yds SE

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50.51	03.34	Hastings	17m 800 yds	5	St Peter's	500 yds	SW

RAINFALL at Hastings NewgateCounty of SussexObserver J. H. Palmer Esq. C.E. died 28.1.25River Basin Cuckmere & C.G. H. Whitaker, C.E.Automatic Rain Gauge, by H. J.1926. S. Little Esq. C.E.Drainage EngineerJ. Gurnett (Deputy) 1927.

Diameter ...	8											8	
Height	5	6										1	0
Altitude ...	240											240	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		
January ...	3.77	2.14	4.07	1.63	2.08	3.56	2.78	2.81	4.43	1.23	3.07	31.57	Total
February ...	.49	(.53)	2.58	3.90	.89	3.12	2.78	2.08	1.37	1.01	1.50	21.25	
March	1.44	1.23	2.21	2.26	1.87	.52	.24	3.12	2.08	.10	2.55	17.62	
April	2.71	1.44	3.09	2.08	2.58	2.00	3.12	1.64	2.85	1.10	1.42	24.03	
May	1.48	1.12	.57	3.29	4.28	2.41	2.09	.75	2.42	2.42	2.19	23.02	
June	1.75	.05	1.53	.87	1.96	.17	2.99	3.63	2.62	1.66	.99	17.92	
July	3.47	.23	2.31	1.30	3.13	4.01	1.84	3.86	1.46	1.66	2.78	26.05	
August	1.70	1.05	2.40	2.28	3.97	1.33	1.36	3.71	1.44	2.30	3.42	24.96	
September...	4.32	.44	3.21	2.60	2.05	2.57	.48	4.39	.24	1.03	3.20	24.53	
October	1.88	.45	1.39	7.36	4.20	3.32	3.67	1.29	7.26	5.36	2.32	40.50	
November...	1.23	1.52	2.13	2.28	3.22	2.63	7.33	3.48	4.46	6.11	6.01	40.40	
December...	3.68	2.86	3.38	3.38	4.13	4.54	1.23	4.60	2.93	8.03	3.68	42.44	
TOTALS...	27.92	(13.06)	28.87	32.93	34.36	30.18	29.91	36.36	35.56	32.01	33.13	334.29	

1920. House 30 ft high 60 yds SE

1921. Feb. 1921

1930. Jan. 1st G. lowered to 1 foot.

PAW

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	50° 51'	0° 34'	Hastings	1 mi	S	St. Peter's	500 yds	SW

RAINFALL at Hastings (Newgate)

County of SussexObserver S. Little, R. G. E.River Basin Cuckmere + C. 5Hastings Water Engineer

Type of Gauge

Annual Average 27.5 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. January.computer x/36 685233/26

Diameter	8											
Height	1	0										
Altitude	24.0			24.3								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.24	2.16	2.23	2.95	1.22	4.70	5.52	4.30	5.93	2.39	3364	
February	1.96	2.5	1.90	2.2	4.20	2.24	6.10	.99	1.75	1.88	2152	
March	.56	1.45	2.09	2.49	.50	1.44	4.66	.77	2.35	2.88	1919	
April	3.55	2.45	1.29	2.25	8.39	2.16	2.85	.73	2.54	1.67	2288	
May	2.12	2.52	1.53	.49	1.42	.12	2.34	2.81	.96	1.42	1573	
June	.96	1.64	1.14	1.92	2.37	3.45	1.61	.69	1.59	1.26	1668	
July	2.45	3.72	1.19	0.97	.51	4.62	1.55	1.95	1.98	2.53	2147	
August	3.79	.75	1.20	1.83	4.99	1.59	2.00	1.88	1.93	-	1996	
September	1.66	2.25	4.26	1.02	4.92	1.86	2.34	2.49	.74	2.08	2412	
October	.66	7.87	1.94	2.49	4.24	1.30	3.45	3.86	7.56	3.90	3727	
November	4.82	1.44	2.13	3.44	6.15	4.26	1.27	4.25	6.52	8.07	4235	
December	.67	.33	0.75	7.23	3.68	2.18	4.47	3.73	1.95	2.86	2785	
TOTALS	25.44	26.83	21.68	27.30	27.59	29.92	38.66	28.45	35.40	30.94	30261	

1931. House 30' high, 60 yds. S.E.

1934 - 40' - 100' E.

1938 House 40' high 80' W.

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.			Hastings	1 m.	S.	St. Peters	500 yds.	S.W.

Station No. 5143

RAINFALL at Hastings (Newgate Reservoir)

41

County of SussexObserver Water EngineerRiver Basin SwaleA.R. for S.T. Walker

Type of Gauge

Annual Average 27.5 in. based on 22 years obs. ~~un~~-weighted. Period of average 1891-1915 Ref. 5File No. 685233.2b

Diameter	8"											
Height	1' 0"											
Altitude	243'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Totals	Means
January	4.36	2.49	4.72	1.71	2.07	2.82	2.10	4.14	1.10	1.08	26.59	
February	2.74	.68	1.35	1.15	1.80	3.32	1.54	1.15	1.07	4.24	19.04	
March	2.45	3.31	.37	.03	.96	1.64	6.46	.51	.97	1.28	17.98	
April	.89	1.26	1.27	1.85	1.06	1.99	2.17	1.02	1.22	2.08	14.81	
May	1.85	2.39	1.79	.59	1.53	2.72	1.74	1.30	1.60	1.34	16.85	
June	1.62	.20	1.40	1.12	.73	1.89	2.95	1.92	.65	1.34	13.82	
July	2.99	2.22	1.63	1.97	3.33	3.38	3.25	2.03	.95	2.31	24.06	
August	3.83	2.11	1.40	2.59	1.35	4.94	.01	3.34	1.08	2.88	23.53	
September	.15	2.65	2.10	2.61	2.04	2.71	1.24	2.46	2.19	2.47	20.62	
October	1.17	2.98	1.89	4.54	2.11	1.73	.19	1.37	8.11	1.23	25.32	
November	3.53	2.38	2.44	4.95	.53	3.41	1.46	2.24	3.89	5.93	30.76	
December	1.59	3.16	2.33	1.91	3.69	3.01	2.93	2.41	1.66	2.40	25.09	
TOTALS	27.17	25.83	22.69	25.02	21.20	33.56	26.04	23.89	24.49	28.58	258.47	

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			Hastings	1 mile	S.E.	St Leonard	1/2 mile	S.W.

BRITISH RAINFALL ORGANIZATION

RESERVOIR Station No. 543

RAINFALL at HASTINGS (NEWGATE)

51

County of SUSSEXObserver WATER ENGINEER (HASTINGS)River Basin CLICKMORE & C - 5Type of Gauge I.L.O. 2 ply base (N.R.2)Annual Average 27.5 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S
29.11 " " 35 " " 1916-1950 1916-1950 File No. 685233/26 P

Diameter ...	8"											
Height ...	1' 0"											
Altitude ...	243'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Totals	Means
January ...	3.81	2.76	1.08	1.39	4.40	5.45	2.31	3.86	3.54	3.09	31.69	
February ...	5.62	1.57	1.33	2.69	1.79	1.05	5.03	2.81	.06	2.11	24.06	
March ...	3.10	3.04	.33	3.53	1.37	.48	1.59	1.29	1.79	2.44	18.91	
April ...	1.94	.90	1.85	.43	.36	1.44	.26	2.21	2.26	1.31	11.96	
May ...	1.62	1.38	1.23	2.18	4.84	.62	1.23	2.36	-.60	3.03	19.29	
June ...	.99	.89	1.69	2.53	1.90	2.26	.76	3.97	-.58	4.78	17.35	
July ...	1.96	.68	2.55	3.47	.84	2.29	4.36	2.76	1.50	2.20	22.61	
August ...	4.77	4.11	2.98	3.44	2.20	3.24	1.73	3.66	.55	4.53	31.21	
September ...	3.97	4.44	3.86	3.33	2.07	2.71	3.57	3.24	.18	2.65	30.02	
October ...	2.47	2.65	2.89	3.34	4.29	1.71	1.70	4.48	3.86	6.55	33.94	
November ...	5.73	4.23	2.05	5.47	1.31	.85	3.33	2.33	6.16	7.22	38.68	
December ...	2.69	3.52	.85	2.09	4.14	4.08	1.70	4.06	7.54	5.26	35.93	
TOTALS ...	38.67	30.17	22.49	33.89	29.51	26.18	27.57	36.23	28.57	42.17	315.65	
	D	D	D	D	D	D	D	D	D	D		

Imp. of 59 (1881) - gauge record. built to be used. flat bottom made to be used
 of type. Site on hill could see 80 x 25 yds well rounded by hills & dunes. Slope to
 N. published & used. Excellent view. Better measure about 12.159

+A. A new N.R.2 hypsograph MKIV 7/16222 (current time) to be used check gauge 7/159

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference Q(51)82.102

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