

RAINFALL AT *Hastings Halton Reservoir*

Lat. Lon. County of *E. Sussex*

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

Diameter ..				5							
Height				0.10							
Altitude ..			301								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			1.10	2.90	3.91	1.16	4.22	1.18	1.24	1.14	
February ..			1.16	1.80	2.97	.69	2.61	1.55	1.10	.43	
March			1.30	1.83	1.66	4.58	1.65	.77	2.09	4.24	
April .....			.81	1.92	1.13	1.93	1.33	3.07	1.76	2.18	
May			2.02	1.67	2.90	1.01	2.85	2.08	1.26	1.04	
June			2.30	2.92	1.54	4.24	1.52	2.53	1.36	2.91	
July .....			.94	4.84	1.02	.82	.41	1.87	2.00	2.42	
August			4.11	2.67	1.24	2.97	.76	1.25	4.43	3.98	
September ..			2.63	2.72	1.19	3.53	1.06	.78	2.15	3.49	
October			2.67	4.37	2.17	2.49	4.40	4.99	1.64	6.47	
November ..			1.69	2.36	1.64	5.56	6.72	2.26	1.05	.89	
December ..			2.34	2.02	3.24	1.11	2.36	2.80	2.43	5.67	
TOTALS ..			23.07	32.02	24.61	30.09	29.89	25.13	22.51	34.86	

5

Hastings
1903 Emmanuel Church, $\frac{1}{4}$ mile S.W.
Ore Station $\frac{1}{2}$ " " N
Buildings 30 ft high 150 ft " " N

RAINFALL at Hastings Halton ReservoirCounty of SussexObserver H. Colborne EsqRiver Basin Cuckmere + C. 5P. H. Palmer Esq C.E.

Rain Gauge, by _____

Diameter ...	5					8						
Height	0 10											
Altitude ...	301							300.				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum
January ...	2.97	1.62	3.64	4.14	.99	4.31	1.72	1.48	3.53	4.10		16.17
February ...	3.35	1.44	2.74	1.17	3.01	3.97	4.77	1.32	.96	3.09		10.83
March	1.56	2.45	3.46	2.57	5.75	.64	3.92	1.88	.93	3.78		10.51
April	1.95	1.71	.67	2.75	.93	1.81	1.79	1.82	1.51	2.68		7.80
May	2.53	.63	.82	.93	.69	3.28	2.73	2.50	1.19	.39		6.81
June	1.88	1.91	3.14	.85	1.30	.66	2.73	2.75	1.15	.50		7.13
July	2.79	.39	1.48	2.26	1.67	3.37	.88	3.64	3.01	1.77		9.33
August	1.90	1.93	6.12	2.17	.87	1.85	2.42	6.19	1.46	2.25		12.32
September ..	.26	1.23	3.14	1.94	1.50	2.41	1.25	.83	6.92	.75		9.75
October ...	4.88	6.25	3.86	4.73	2.50	2.87	5.72	4.58	3.20	1.14		14.64
November ..	6.13	6.61	2.52	3.35	3.81	3.06	5.54	.95	2.08	4.65		13.22
December ...	3.15	6.23	3.45	1.53	7.85	7.95	5.18	2.92	1.99	4.65		14.74
TOTALS ...	33.35	32.40	34.44	28.39	30.90	36.08	38.65	30.86	27.93	29.75		127.19

127.19
1466
PHW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Hastings Halton ReservoirCounty of SussexObserver P. H. Palmer Esq C.E. dtd 28.1.25River Basin Cuckmere & L.G. H. Whitaker, C.E.M. D. Rain Gauge, by N. J.1925 S. Little C.E.
Borough & Water Engineer Hastings

Diameter ...	5"												
Height	0.10	1	3		1.0								
Altitude ...	300												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1929		Total 15
January ...	3.75	3.02	3.77	1.30	2.59	4.00	3.19	2.55	4.99	1.18	3.05		33.39
February ...	.57	.50	2.43	3.94	1.02	4.05	3.23	3.40	1.53	.99	1.48		23.14
March	1.29	1.25	2.25	2.54	1.96	.66	.33	3.30	2.64	.14	2.46		18.22
April	2.36	1.64	3.04	2.10	2.85	2.39	3.44	1.85	2.97	1.18	1.27		25.09
May	1.41	1.27	.28	3.59	4.06	2.37	2.19	.89	2.53	2.22	2.32		23.13
June	1.59	.07	1.64	.64	1.62	.13	2.57	3.17	2.70	2.10	1.14		17.37
July	2.91	.13	2.38	1.13	3.04	3.77	1.82	4.70	1.38	1.46	2.99		25.71
August	1.87	.76	2.19	2.34	4.17	1.43	1.27	4.93	1.64	2.42	3.19		26.21
September...	4.16	.57	3.27	2.66	1.97	2.73	.49	4.29	.28	1.08	3.64		25.14
October	1.55	.47	1.40	8.02	4.78	3.33	3.69	1.58	9.52	.487	2.82		42.03
November...	1.70	1.87	1.72	2.24	3.26	3.05	7.86	3.24	4.09	5.90	6.76		41.89
December...	3.96	2.71	3.48	3.78	4.62	5.64	2.26	4.79	2.98	7.99	3.35		45.56
TOTALS...	27.12	14.26	27.55	34.48	35.94	33.55	32.34	38.69	37.25	31.53	34.47		347.48
	D	D	D	D	D	D	D	D	D	D	D		486

1930. Engine House 15' high, 20 yds. N.

1966

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° 51' 45"	0° 35' 40"	Gre	1/4 mi	N	Halton	1/8 mi	N E

RAINFALL at Hastings (Halton Res.)County of SussexObserver S. Little Esq. C.E.River Basin Cuckmere & C.Hastings Water EngineerType of Gauge M.O.Annual Average 28.6 in. based on 34 years obs. un-weighted. Period of average 1881-1915 Ref. Survey.computed $\times 1/26$ 685233/26

Diameter	5											
Height	1	0										
Altitude	300					294						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.73	2.58	2.33	2.36	1.66	4.76	5.18	4.14	5.26	2.41	33.41	
February	2.30	.28	2.40	.15	3.23	2.34	5.67	1.09	1.43	1.99	21.08	
March	.43	1.61	2.51	2.54	.48	1.45	4.52	.54	2.33	2.72	19.13	
April	3.20	2.60	1.23	2.48	3.44	2.24	2.87	.68	2.41	1.61	22.96	
May	2.08	2.97	1.51	.41	1.36	.13	2.23	2.68	1.87	1.35	16.59	
June	1.09	1.65	1.28	2.55	2.39	3.34	2.15	.58	1.38	1.15	17.76	
July	2.84	3.83	1.59	.88	.52	3.44	1.35	1.68	1.76	2.31	20.20	
August	3.83	.99	1.27	2.04	5.21	1.43	2.06	1.86	1.85	-	20.54	
September	1.80	2.54	4.58	1.22	4.88	2.33	2.00	2.54	.71	2.22	24.82	
October	.69	8.62	2.60	2.49	3.92	1.48	3.60	2.40	7.81	3.98	39.09	
November	5.37	1.50	2.20	2.83	6.05	4.60	1.32	4.09	6.33	8.06	42.35	
December	.77	.45	0.70	7.91	4.43	3.03	4.51	3.42	1.71	2.66	29.59	
TOTALS	27.13	29.62	24.20	27.86	37.57	30.77	37.46	27.20	35.25	30.46	307.52	24.7

1931. Enquire house 14' high, 60' N.W.
 Trees 20' " 44 yds. N.W. & S.W.
 Shed (Brick) 6' " 52' S.E.

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
1931.			Orre	$\frac{1}{4}$ m.	N.	Halton.	$\frac{1}{8}$ m.	N.E.
1937					N.W.	Orre		E.

Station No. 544**RAINFALL at Hawkinge (Haltern Res.)**

41

County of SussexObserver Water EngineerRiver Basin luchamene & SType of Gauge M.A.O.Annual Average 22.1 in. based on 24 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 685233/26

Diameter	5"			309	016						
Height	1'0"				1						
Altitude	294'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.66	2.41	4.78	1.91	2.23	2.56	2.28	4.03	1.29	1.23	27.37
February	2.62	.65	1.52	1.13	1.75	3.07	1.34	1.37	1.09	4.17	18.71
March	2.44	3.37	.41	.05	.89	1.68	6.85	.53	1.04	1.25	18.51
April	1.03	1.34	1.29	1.57	1.08	2.00	2.09	.92	1.39	2.05	14.76
May	1.87	2.34	1.97	.62	1.59	2.60	1.88	1.62	1.65	1.30	17.44
June	1.79	.12	1.46	1.20	.70	1.78	3.08	1.71	.62	1.17	13.63
July	3.27	2.30	1.89	2.02	3.16	3.40	3.14	2.22	1.07	2.18	24.65
August	4.14	2.51	1.52	2.86	1.18	5.27	.00	3.12	1.11	4.00	25.71
September	.24	2.66	2.14	2.68	1.89	2.57	1.28	2.77	2.13	2.70	21.06
October	1.15	2.97	1.93	4.18	2.21	2.18	.22	1.33	8.67	1.44	26.28
November	4.10	2.50	2.30	5.53	.36	3.97	1.54	2.28	3.80	5.92	32.30
December	1.59	3.06	2.37	1.91	3.62	3.17	2.99	2.25	1.96	2.77	25.69
TOTALS	28.90	26.23	23.58	25.66	20.66	34.25	26.69	24.15	25.81	30.18	266.11

226
1945Position 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
1945			One		N.W.	Haltern		E
1948			One	1 m.	N.W.	One	1 m.	NE

BRITISH RAINFALL ORGANIZATION

Station No. 544

RAINFALL at HASTINGS (HASTON RESERVOIR)

51

County of SUSSEX

Observer

WATER ENGINEERS (HASTINGS)

River Basin CUCKMERLE & C-5

Type of Gauge M.O. Standard in situ g/l/sq. Conduit

Annual Average 26.1 in. based on 34 years obs. un-weighted. Period of average 1881-1915 Ref. 5

29.95 " " 35 " " 1916-1950

File No. 1916-1950 285233/26 P

Diameter ...	5"			309	016							
Height ...	1'0"				1							
Altitude ...	294'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Totals. Means	
January ...	3.98	2.97	1.15	1.39	4.52	5.81	2.40	4.11	3.95	3.12	33.46	
February ...	5.81	1.69	1.52	2.55	1.97	.81	5.11	2.90	.06	2.41	24.83	
March ...	3.15	3.03	.35	3.46	1.34	.43	1.81	1.40	1.88	2.66	19.51	
April ...	2.16	1.17	1.80	.42	.36	1.35	.22	1.30	2.19	1.17	12.14	
May ...	1.55	1.58	1.33	1.87	4.42	.48	1.27	2.51	.53	2.24	18.78	
June ...	.93	.98	2.20	2.51	1.94	2.27	.79	3.91	.57	1.73	17.83	
July ...	3.21	.70	2.46	3.54	.98	2.31	4.51	2.45	1.41	2.25	23.82	
August ...	4.74	4.70	2.99	3.64	2.05	3.08	2.04	4.04	.66	4.23	32.17	
September ...	4.09	4.29	4.17	2.96	2.22	2.66	3.70	2.66	.21	2.37	29.33	
October ...	2.81	2.86	2.84	3.17	4.23	1.85	2.06	4.13	3.83	7.05	34.82	
November ...	5.77	4.23	2.02	5.41	1.25	.76	3.53	2.38	6.26	6.53	38.24	
December ...	2.89	3.75	.81	2.21	4.34	3.99	1.68	4.20	7.55	4.96	36.38	
TOTALS ...	41.09	31.95	23.64	33.13	29.71	25.80	29.12	36.05	29.10	41.72	321.31	
	D	D	D	D	D	D	D	D	D	D		

Imp. g/l/sq. this Reservoir g. the rest of the area. Good enough for gash in outlet can which should be used if possible. g. in outlet & large granular boxes and g. well at bridge & trees. Slope down to W. pulpit of house roof. Prepared under g/l/sq.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TR(5)826104

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
	✓	✓	✓	✓	