

RAINFALL at Rothwell Shotwell Mill

County of Northamptonshire

Observer T. C. Betts Esq. A. Harris Esq.

River Basin Nene 4

J Kilborn Esq. C & Rochester Esq.

Inches Rain Gauge, by

Diameter ...	5											
Height	1.6											
Altitude ...	320 ft				323				340			Totals
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1910-19	
January84	3.31	3.57	.43	1.98	1.29	1.15	1.82	4.50	8.76		
February ...	1.14	1.89	.50	1.52	2.59	2.08	.62	1.28	3.17	9.15		
March	1.72	2.55	2.92	2.54	.76	1.24	1.33	.82	2.27	10.67		
April89	.09	2.57	.50	.85	.93	1.29	2.68	1.75	6.65		
May	2.39	2.09	1.53	1.19	1.70	.61	2.02	1.55	.93	5.11		
June	1.63	3.17	.65	1.99	.84	1.32	3.94	.39	.66	6.31		
July10	5.39	1.69	2.16	4.08	1.70	1.07	2.72	2.69	8.18		
August	2.11	7.41	1.99	1.39	2.17	3.86	4.89	.92	2.36	11.93		
September ..	1.08	1.32	1.48	.77	1.23	.98	1.31	4.25	1.60	8.14		
October ...	2.03	2.51	3.52	2.85	1.64	2.56	2.11	1.31	1.19	8.17		
November ..	2.49	1.64	2.61	2.99	2.56	3.26	1.01	2.17	1.91	8.36		
December ...	3.62	3.04	.59	4.84	4.45	2.84	.72	2.16	3.70	9.42		
TOTALS ...	20.04	34.41	23.62	23.17	24.85	27.67	22.46	21.98	28.73	100.84		

1911 Hedge low 20 pds w
 Building 20 ft high 23 - E
 1915 House 30 ft 300 ft SSW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52.26	0.29.		Deeborough	1 fm	NW	Deeborough Rothwell	7 fm	NW S

RAINFALL at Rothwell Shotwell Mill W.W.

County of Northamptonshire

Observer W. Y. Lynam Esq

River Basin Nene +

obs. G. Kilborth

(1926) G. Whiteman

The Surveyor

1926 M.O. Snowdon Rain Gauge, by

Surveyor Rothwell V.P.S.

Diameter ...	5"											6
Height	1 6											1.6
Altitude ...	340											340
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.	Total
January ...	2.36	2.19	3.50	1.95	1.83	(1.20)	2.95	2.24	3.73	1.54	2.77	26.36
February65	.32	2.08	4.08	.47	(2.40)	3.23	2.39	1.56	.59	0.63	18.40
March	1.91	1.73	1.08	1.86	.70	(1.20)	1.72	2.01	1.94	.05	1.58	15.78
April.....	3.98	.88	3.07	1.69	3.34	(1.60)	1.82	1.26	.91	1.53	2.34	22.32
May	1.21	1.77	.85	1.00	3.20	(4.40)	1.56	.58	1.12	1.16	2.56	19.41
June	1.79	.50	.78	.43	1.68	(.00)	1.91	3.27	2.54	1.08	1.51	15.49
July	2.91	.15	3.50	3.42	2.47	(1.80)	1.37	1.58	1.90	1.29	3.43	23.82
August	1.34	2.02	4.87	1.54	1.67	(.60)	1.02	3.75	1.95	1.17	1.86	21.79
September...	1.71	.98	1.87	2.76	2.58	(3.00)	1.80	4.67	.90	.61	3.56	24.44
October.....	1.26	1.38	.84	3.27	4.41	(6.00)	2.22	1.82	3.76	3.51	1.26	26.73
November...	1.22	1.61	1.05	1.64	1.84	(1.80)	2.60	3.41	3.00	4.00	2.19	24.36
December...	2.36	1.37	2.36	2.47	2.56	(2.70)	.63	2.55	2.41	5.07	2.12	26.60
TOTALS...	22.60	14.90	25.86	26.11	26.80	23.70	22.83	29.53	25.77	21.60	25.81	265.50
	D	D	D	D	D	D	D	D	D	D	D	D

1920. Pump House 20 ft high 100 ft E.

1926. Trees 8 ft high 20 ft W.

Bridge 6" " 15" S.

1927 October corr. by surrounding stations

1930. Buildings 18' high 32' E.

Open for some distance.

G. read 9 am in winter.

.. 10 .. " summer.

encl
Dersborough C. S. S.Position of Station on reduced Ordnance Survey } No. of Map _____
Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	52° 25'	0° 45'	Dersborough	1 1/8 mi	NNW.	Rothwell	1 mi	S.

RAINFALL at Rothwell (Shottswell Mill W.W.)

County of Northamptonshire

Observer The Surveyor, N.D.C.

River Basin Nene - u

Type of Gauge M.A.O.

Annual Average 23.6 in. based on 23 years obs. unweighted. Period of average 1881-1915
Computed x 36 Ref. 252718 [28]

Diameter	5.						6				
Height	1.6.										
Altitude	340.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.34	1.24	1.10	1.68	.90	3.91	3.43	2.50	5.10	2.76	23.93
February	2.40	.46	2.52	.37	2.13	2.09	3.33	.79	.83	2.42	17.34
March	.17	1.49	2.61	1.82	.37	1.43	3.24	.20	1.72	2.41	14.96
April	3.37	2.76	.58	1.77	3.57	2.11	2.92	.30	2.32	1.91	21.61
May	2.15	4.62	1.25	.81	.69	.80	3.80	1.52	.71	1.21	17.56
June	1.26	.44	1.48	.71	3.63	3.52	2.07	1.57	1.51	.85	17.04
July	2.87	2.74	1.43	.97	.79	6.04	2.12	2.32	2.38	2.96	24.62
August	2.81	1.40	.67	1.26	1.10	.54	1.61	2.74	4.40	.20	16.72
September	2.75	2.64	1.86	1.83	3.32	1.96	1.24	1.60	.73	.53	18.46
October	.34	2.42	1.96	1.14	2.86	1.46	2.53	1.97	4.25	3.33	22.26
November	2.36	2.17	1.73	2.27	3.73	2.28	1.72	2.73	3.87	6.15	28.71
December	.69	.58	.41	4.06	3.02	1.58	2.87	3.65	1.38	1.76	20.50
TOTALS	22.51	22.96	17.60	18.65	26.11	27.72	30.88	21.89	28.90	26.49	24271

1931. Trees 8-10 ft. high, 20 ft. w.

Hedge 6 " " 15 " S.

Buildings 18 " " 32 " E.

1939. Trees 1½ ft. high, 40 ft. w.

Hedge 7 " " 35 " S.

Buildings 18 ft. " 30 " E.

Open for same distance to the N.

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			Derbyshire 2 miles N.			Rothwell	1½ mi. S.W.	

Station No. 1131

RAINFALL at ROTHWELL (Rothwell Mill W.W.)

41

County of Northamptonshire

Observer The Surveyor V.D.C.

River Basin Nene - 4

Type of Gauge M.O.

Annual Average 23.6 in. based on 23 years obs. $\frac{1}{4}$ -weighted. Period of average 1881-1915 Ref. S

File No. 852978/28

Diameter	5"			161	018						
Height	1' 6"					1' 5"					16
Altitude	340'					325'					340
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.76	2.46	3.82	1.83	2.04	1.72	1.97	5.40	1.12	.75	24.57
February	1.94	1.00	.98	1.17	1.82	2.12	2.08	1.01	1.48	3.66	17.20
March	3.24	1.50	.94	.26	.81	1.00	4.91	.63	1.53	1.02	15.84
April	1.39	1.04	.90	1.48	1.01	1.77	1.94	1.58	1.85	2.26	16.22
May	2.08	3.36	2.22	.99	1.56	1.64	1.30	2.94	2.18	2.52	20.79
June	1.65	.55	1.82	2.52	2.40	2.74	1.75	2.06	.37	1.70	17.56
July	2.71	1.68	.83	1.63	2.06	1.57	2.27	1.50	3.23	2.95	20.43
August	3.22	1.83	1.88	1.94	1.19	3.35	.03	3.45	1.52	1.77	20.22
September	.61	.77	2.30	2.78	1.66	3.04	1.25	3.02	1.58	3.08	20.09
October	1.65	2.48	1.64	2.84	2.83	.95	.21	3.06	4.70	.61	20.97
November	2.82	2.17	1.43	3.33	.41	5.36	1.26	1.79	2.60	3.82	24.99
December	.73	1.67	.80	1.17	3.04	2.23	2.24	2.63	1.62	1.44	17.47
TOTALS	25.80	20.51	19.56	21.94	20.83	27.49	21.21	28.77	33.72	25.58	235.41
D	D	D	D	D	D	D	D	D	D	D	235.41

1941 Trees 12' high 40' W. Hedge 7' high 35' S. building 18' high 30' E. upon space for some distance to N.
 1946 Building 15' - 30E

C.1921. T1957

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
1941			Doncaster	2 m	N	Rothwell	1 km	S.W.
1946			Doncaster	1 km	N.E.	Rothwell	4950 ft.	N.
1948			do.	2 m	N.	do.	1 km	SW.

Station No. 1001

RAINFALL at Rothwell (Shotwell Mill, W.W.)

51

County of NORTHAMPTON

Observer THE SURVEYOR U.D.C.

River Basin NENE - 4

Mid Northants Water B1. BR 1957

Type of Gauge M.O.

Annual Average 23.6 in. based on 23 years obs. un-weighted. Period of average 1881-1916 Ref. S
 24.6 " " 35 " 1916-1950 1916-1950 P

File No. 802928/28 E/2427/60

Diameter in.	5										
Height ft. in.	16										
Altitude ft.	340										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.13	1.85	1.00	1.05	2.08	3.25	1.09				
February	3.87	.74	1.69	2.23	2.06	.57	2.65				
March	3.88	2.41	.78	2.24	2.37	.86	1.85				
April	2.64	1.74	1.99	.30	.75	.95	.35				
May	3.14	1.28	1.37	2.41	3.48	.63	1.29				
June	1.55	1.18	2.07	2.11	2.52	2.66	2.09				
July	.97	.41	2.12	2.34	.15	3.72	3.33				
August	3.89	3.85	2.41	4.16	.72	3.45	2.58				
September	1.58	1.43	1.57	1.90	1.13	1.83	5.11				
October	.67	3.33	1.90	2.71	1.93	1.45	1.12				
November	4.59	2.81	1.56	4.60	.89	.71	1.60				
December	1.86	2.41	.78	2.95	1.47	3.17	(2.60)				
TOTALS	29.97	23.44	19.24	29.06	19.55	23.25	(25.66)				

1951. Monthly 18 ft. high, 30 ft. E., Trees 12 ft. - 10 ft. W., Hedge 8 ft., 30 ft. S.

1957. Change of Authority.

1957. Dec. act. 1802b.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SP 142816826

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Detling	2 mi.	N.	Rothwell	1½ mi. SW.

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
		c 1911 ✓	✓ NR 25	✓	✓	