

Rainfall at *Oakwell sluice*
Middle Level

50

no rock.

R. Lunn Esq

P. P. return

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

June - 4.

YEAR - -	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	3.89	2.15	1.55	.22	3.23	} 4.50	.95	.85	
February - -	1.35	1.99	.93	2.46	1.19		.76	1.70	
March - - -	.72	1.16	.60	1.82	.18		.84	1.26	
April - - -	1.50	2.71	1.29	.17	1.54	2.47	1.62	2.18	
May - - - -	3.01	1.22	3.00	2.39	3.21	1.76	2.55	3.08	
June - - - -	4.15	2.50	1.24	2.68	2.05	2.03	1.82	2.77	
July - - - -	4.15	5.49	2.92	5.26	2.63	1.96	3.44	1.52	
August - - -	^{5.27} 7.27	3.96	3.29	2.86	4.52	4.10	3.85	2.59	
September -	^{4.05} 8.05	1.62	.60	.72	2.17	4.42	1.33	2.88	
October - -	3.65	3.87	3.30	4.82	2.36	4.83	2.73	3.60	
November -	6.77	2.81	2.05	3.71	2.94	1.79	2.06	1.53	
December -	2.98	.64	2.72	1.46	1.21	.36	1.98	1.89	
TOTALS -	47.49	30.12	23.49	28.57	27.23	28.42	23.93	25.85	

41.49

1857. Jan. to Mar. "Gauge under Repair".

1852 August amount rather too large → 5.27

1852 September " about 4 inches too much → 4.05

1857 Jan - Mar est'd
6/67
28

1464 60

Outwell

Middle Level Sluice

Norfolk.

Sluice Keeper

6 m from Wisbech

+ Ground 4^{ft} + Sea level 16 ft?

June - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.80	.59	1.64	2.20	.86	1.42	1.87	2.11	1.01	1.35	1.585
February - -	.87	1.68	.46	.14	.65	2.08	2.56	1.06	.92	2.23	1.265
March - - -	2.21	1.44	2.43	.79	2.57	1.27	.64	.85	1.31	2.25	1.576
April - - -	.51	.60	1.31	1.73	.49	.57	1.31	1.83	1.13	1.79	1.127
May - - - -	5.85	1.31	1.75	1.20	2.57	2.09	2.01	2.71	.11	2.68	2.228
June - - - -	5.32	2.31	1.04	3.94	1.30	1.54	2.61	1.11	.53	1.22	2.092
July - - - -	2.27	4.67	2.49	.58	.62	3.64	2.78	3.66	.33	.43	2.167
August - - -	2.96	.50	2.56	2.72	1.37	5.02	3.67	1.80	1.98	1.76	2.434
September -	3.14	1.37	3.88	2.59	1.86	.40	2.36	2.31	2.40	3.34	2.365
October - - -	2.10	.80	1.90	2.61	1.04	6.79	1.29	1.96	2.45	1.19	2.150
November -	2.54	3.33	1.49	2.78	1.98	1.72	1.93	.49	1.07	1.75	1.908
December -	1.83	1.38	1.61	.85	1.03	1.18	1.58	1.57	3.40	2.97	1.740
TOTALS -	32.40	19.98	22.56	22.13	16.31	27.12	24.61	21.46	16.64	23.16	22.637

+0

1862 In printed return June is entered as 1.04 and August as 2.56 - Mr. Lunn says they are correct and are therefore substituted for 1.50 and 2.80

1865 Mace 9th Oct. = 1.89

RAINFALL AT *Downham Market Outwell Suica*Lat..... Lon..... County of..... *N. orf. Lk.*Rain Gauge, by..... Observer *H. Summ. Esq.**see 4.*

Diameter.....											
Height.....	4.										
Altitude.....	16.										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.27	.46	1.51	1.56	1.04	1.64	1.73	2.28	1.41	1.06	1.396
February.....	.47	1.39	.75	1.03	.64	.76	2.11	1.87	1.16	2.06	1.224
March.....	.69	.52	1.56	1.10	1.05	.29	1.91	1.28	.43	.43	.926
April.....	.54	2.86	1.81	1.31	1.17	.77	3.04	3.77	1.38	2.26	1.891
May.....	.43	.73	1.97	2.06	.87	1.08	1.38	1.32	4.19	3.35	1.738
June.....	1.90	4.00	2.53	1.70	1.79	2.98	2.15	2.06	1.14	4.01	2.406
July.....	3.29	1.89	3.92	3.35	.73	5.73	2.53	1.94	.85	4.57	2.880
August.....	1.41	.47	4.61	3.33	1.90	1.82	2.19	3.07	3.91	3.36	2.607
September.....	1.15	3.21	1.80	1.79	1.75	1.87	2.52	1.18	1.21	2.60	1.908
October.....	2.37	1.04	3.16	1.97	1.96	2.09	.65	1.14	1.95	.60	1.693
November.....	.86	1.13	2.74	1.70	1.98	3.70	2.15	3.01	3.38	1.02	2.167
December.....	2.23	.67	2.58	.58	1.16	1.06	2.51	1.50	1.47	.64	1.440
TOTALS.....	16.61	18.37	28.74	21.48	16.04	23.79	24.87	24.42	22.48	25.96	22.276

1872 Nov 26th the gauge was refixed after having been refitted. before this the gauge was in a very bad state the funnel being loose and resting at an angle of nearly 45°

RAINFALL AT *Outwell Sluice*

80

Lat.

Lon.

County of *Norfolk*

Rain Gauge, by

Observer *R. Lunn, Esq.**One - 4 -*

Diameter	9										
Height											
Altitude								16			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.57	1.58	1.25	1.57	1.33	1.25	2.01	.97	.47	.67	1.025
February	1.44	1.85	1.34	2.04	.46	1.80	.24	.62	1.39	1.18	1.236
March .....	.64	1.41	1.21	1.25	.83	.71	1.38	.85	2.16	.80	1.124
April	2.18	2.30	2.37	1.03	1.16	.76	1.39	1.46	1.37	1.82	1.684
May .....	.66	.43	1.05	.84	.74	2.06	2.04	1.39	.64	3.11	1.296
June	2.40	3.20	2.64	3.05	1.33	1.71	1.07	.63	1.54	1.52	1.909
July	4.60	2.09	3.07	3.36	2.94	.57	5.06	.42	4.12	3.57	2.980
August	2.22	3.74	1.99	.58	.75	1.66	2.35	2.46	2.89	2.53	2.117
September	2.63	2.36	2.92	5.16	2.73	3.57	1.21	2.02	2.37	2.06	2.703
October	4.13	2.47	4.54	2.07	1.16	3.50	3.85	1.76	.57	3.28	2.733
November	1.53	1.66	2.75	2.63	1.11	2.69	2.53	1.46	2.44	.61	1.941
December	1.89	2.21	2.78	1.66	1.94	.92	3.36	.66	1.60	1.14	1.816
TOTALS	24.47	24.30	27.91	25.24	16.48	21.20	26.49	14.70	21.56	22.29	22.464

RAINFALL AT *Outwell Sluice*

Lat. _____

Lon. _____

County of *Norfolk*

Rain Gauge, by _____

Observer *A. Lunn Esq**Over - 4.*

Diameter	9											
Height .....	...										
Altitude	16											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.96	1.78	.66	1.36	1.43	2.34	1.15	1.15	.65	1.89	1.437	
February ....	.54	.00	1.82	2.08	.90	.28	.45	2.00	.70	.87	.967	
March	2.12	.90	.56	.22	.71	1.53	2.87	1.95	1.33	.55	1.274	
April .....	.46	.51	1.29	.16	1.28	1.37	.95	1.36	1.33	1.98	1.069	
May	2.03	3.48	1.39	.85	1.85	.72	.73	1.60	2.76	2.21	1.762	
June	2.56	1.56	2.32	.83	2.78	1.20	1.56	1.93	2.38	1.52	1.864	
July	2.79	3.67	2.74	2.41	2.53	1.80	1.81	.63	.95	1.92	2.125	
August	1.59	3.41	2.61	2.25	1.82	2.50	1.38	2.86	2.43	1.76	2.271	
September....	.40	1.04	2.42	.87	1.76	.52	3.80	4.42	.27	4.27	1.977	
October	1.00	3.96	5.03	2.43	2.31	2.43	3.67	.71	2.80	2.15	2.649	
November....	1.83	1.69	1.80	2.81	3.20	2.76	.82	1.54	1.44	1.75	1.964	
December ....	.36	2.81	.78	1.07	1.54	1.54	2.81	1.39	1.84	1.39	1.553	
TOTALS . . .	17.74	24.81	23.42	17.34	22.11	18.99	22.03	21.54	18.88	22.26	20.912	

RAINFALL AT *Outwell Sluice*

Lat.

Lon.

County of *Norfolk*

Rain Gauge, by

Observer *A. J. E. C. E.**June - 14*

Diameter ..	9										
Height ....	...								2.6		
Altitude ..	16										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.06	.64	.65	1.51	1.47	1.08	3.11	1.07	.89	.78	1.426
February ..	2.29	.87	1.05	.42	2.36	1.03	1.78	1.01	1.22	.37	1.240
March ....	.61	1.53	1.29	2.02	1.11	1.89	1.58	1.03	1.68	2.67	1.541
April	1.17	2.00	1.22	1.38	.70	1.85	.59	1.96	2.71	1.05	1.463
May	1.50	.79	3.52	2.62	1.57	1.18	1.11	2.48	1.69	1.40	1.786
June	1.78	1.72	3.43	2.27	.72	3.38	3.52	1.88	1.03	4.63	2.436
July	1.23	2.12	1.84	3.28	2.51	.82	.47	2.32	2.41	3.62	2.062
August	3.44	1.85	2.41	3.18	1.79	2.12	1.93	2.29	2.21	1.92	2.314
September ..	.60	.98	1.05	2.94	1.81	3.57	.86	.65	1.49	1.68	1.563
October	1.67	1.67	1.61	5.33	1.35	1.61	3.63	2.14	1.14	3.18	2.333
November ..	2.09	1.13	1.43	1.92	.91	1.94	2.75	2.72	.95	.64	1.648
December ..	2.09	3.01	1.00	1.08	1.74	.74	1.48	2.79	1.27	3.22	1.842
TOTALS ..	21.53	18.31	20.50	27.95	18.04	21.21	22.81	22.34	18.69	25.16	21.654

H. B.

RAINFALL at Outwell Wellbeck SluiceCounty of NorfolkObserver Alumn E. C. L.River Basin Nene River 4E. J. Mathews (10)

Rain Gauge, by _____

Diameter ...	9												
Height	2	6											
Altitude ...	16												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS	1910-1919
January ...	1.63	1.85	2.78	2.31	1.33	2.65	1.14	1.81	1.89	2.91	2.030	7.75	7.75
February ...	2.28	1.15	1.19	.65	1.00	2.02	2.80	.65	1.03	1.91	1.468	6.39	6.39
March .....	.66	1.97	2.45	2.51	2.69	1.06	2.66	1.54	.78	2.03	1.835	7.01	7.01
April	1.90	.92	.26	1.58	.71	.49	1.58	1.32	1.81	1.25	1.182	5.96	5.96
May	3.31	1.16	2.47	2.03	.86	1.79	2.04	.68	2.66	.59	1.759	5.97	5.97
June	1.03	2.14	2.74	1.04	2.25	1.28	1.91	1.56	.69	.58	1.522	4.74	4.74
July	3.36	.21	3.72	1.15	2.63	3.69	1.73	2.96	3.63	2.84	2.592	11.16	11.16
August	1.80	1.88	7.55	.96	1.72	2.64	4.11	4.29	1.38	1.71	2.804	11.47	11.47
September ..	.89	2.35	1.84	1.65	.85	.66	1.81	2.12	5.49	1.32	1.901	10.74	10.74
October ...	1.51	1.74	1.90	3.68	1.65	1.46	1.80	3.78	1.55	1.08	2.015	8.21	8.21
November ..	2.39	2.92	2.42	1.50	2.56	3.54	2.29	1.39	2.26	1.25	2.252	7.19	7.19
December ...	3.56	3.63	2.48	.34	4.43	3.58	2.59	.70	2.54	3.47	2.730	9.30	9.30
TOTALS ...	24.32	21.92	231.80	19.43	22.68	24.84	26.46	22.80	25.71	20.94	24.090	75.91	75.91
	7	2	3	2	2	3	2	2	2	1		24	24

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Outwell JER	1 1/2 M	NW S	Outwell	1 1/2 M	NW S

RAINFALL at *Outwell**Willow Creek Clinic (1922)* 20
*Willow Creek Clinic*County of *Hampshire*Observer *Capt. G. B. Matthews*River Basin *Onse Hb. 4**Major R. G. Clark (1922)**L. J. Clark for Middle Level Com.*

Rain Gauge, by

Diameter ...	9											
Height	26											
Altitude ...	16											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	1.39	1.71	1.25	1.74	1.94	1.07	2.97	1.63	2.91	1.48	1.83	Total 19.92
February ...	.56	.48	(2.03)	2.25	.73	1.79	1.77	2.26	1.06	.30	.72	13.95
March	1.50	.81	(1.57)	1.95	.66	1.16	.24	1.58	1.12	.04	1.28	12.21
April	2.33	1.04	1.95	1.12	2.14	1.68	2.12	1.94	.93	.83	2.51	18.59
May	1.75	.72	.83	1.12	3.10	1.91	2.30	.80	1.90	1.28	3.60	17.31
June	2.44	.50	1.34	.41	1.80	.38	1.86	3.50	2.70	.60	.58	16.11
July	2.27	.41	4.17	2.24	1.31	1.29	1.27	2.27	2.19	3.27	3.81	24.50
August	1.53	.49	1.50	2.13	1.28	1.91	1.06	3.13	1.46	1.13	2.14	17.76
September...	1.47	.91	(2.50)	2.48	2.02	2.90	1.75	3.33	.82	.26	3.54	21.98
October .....	.43	1.25	.77	2.70	4.03	2.17	2.23	2.11	3.21	2.75	.69	22.34
November...	.91	1.17	1.74	1.30	2.13	1.56	3.53	2.63	2.06	3.74	3.14	23.91
December...	1.76	1.01	1.94	2.84	1.46	2.04	.57	1.48	1.68	3.45	1.66	19.89
TOTALS...	18.34	10.50	(21.89)	22.28	22.60	19.86	21.67	26.66	22.04	19.13	25.50	230.47
	2	2	2			2	2	2	2	2	2	488

1922 Not printed. 7th March 1922. partly estimated

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	-	-	Outwell G.E.R.	1 1/2	N.W.	Outwell	1 1/2	N.W.

RAINFALL at Outwell (Well Creek Sluice)County of NorfolkObserver L. J. Clark, Esq.River Basin Duse & C. - 4Major R. P. H. H. died 1940.
G. H. E. Hood Esq. Msc. C.E. 1940

Type of Gauge.....

Annual Average 22.0 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. Survey

722170/26

Diameter	8.											
Height	1.6.											
Altitude	16.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals.	Means
January	2.09	1.10	1.17	.96	1.91	2.70	2.74	2.15	3.21	(1.59)	19.62	
February	1.91	.32	1.28	.64	1.35	1.95	2.18	.47	.44	2.02	12.56	
March .....	.29	1.20	1.90	1.34	.39	.55	2.62	.31	1.54	1.92	12.06	
April	2.22	2.29	1.08	2.48	2.33	1.71	2.64	.31	1.66	1.39	18.11	
May	4.06	3.94	1.41	.70	.66	.75	3.71	1.67	.66	.95	18.54	
June	1.34	.65	1.97	.97	2.72	3.30	1.77	.92	2.05	.22	15.91	
July	2.74	2.72	1.26	1.31	.80	5.91	2.30	2.69	2.62	2.14	24.49	
August	3.01	2.44	.50	1.90	.64	.82	3.17	1.34	1.71	.58	16.11	
September	3.89	2.43	2.16	1.60	3.15	1.56	1.13	2.11	1.49	.57	20.09	
October .....	.90	3.89	2.80	1.76	2.46	1.16	1.83	2.09	3.25	1.48	21.62	
November	2.56	1.22	1.77	1.36	2.55	1.99	1.43	1.58	3.61	4.33	22.60	
December .....	.63	.47	.42	3.13	1.65	1.19	2.58	2.60	1.10	1.30	15.07	
TOTALS	25.64	22.67	17.72	18.15	20.61	23.59	23.10	18.24	#	(18.52)	216.58	
	d	d	d	d	d	d	d	d	23.34	d		

1939 station terminated owing to lack of apparatus, afterwards re-established

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Outwell (Well Creek Scheme)Station No. T 1464

41

County of N. YorkObserver G. Mc Leach Esq MSc. CGRiver Basin C. & C. - 4Type of Gauge Annual Average 22.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref SurveyFile No. 722.172/26

Diameter	8"			198	172				5"		
Height	2' 6"								1' 0"		
Altitude	16'								16'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.67	2.49	3.18	1.91	2.10	1.18	1.32	3.17	.89	1.02	
February	2.35	.86	.53	1.10	1.80	1.78	.93	.46	.67	2.31	
March	2.85	1.59	.57	.21	.61	.85	3.71	.51	.88	.39	
April	.47	.42	.84	1.45	1.14	.82	1.49	.66	1.41	2.27	
May	1.88	2.71	1.78	.94	1.43	1.43	.34	3.14	1.58	2.14	
June	1.23	.65	2.08	1.47	2.28	2.34	3.25	2.64	.44	1.90	
July	3.13	3.08	1.34	3.25	.82	2.50	1.66	1.34	1.35	2.91	
August	4.16	2.40	1.68	1.56	1.74	3.28	.22	3.55	1.28	2.01	
September	.56	1.63	1.62	3.66	2.13	2.92	.64	1.89	.52	1.83	
October	1.86	2.39	1.00	3.27	3.29	1.47	.89	2.38	3.18	.47	
November	2.46	3.01	1.73	2.72	.44	3.18	1.05	1.05	1.82	2.34	
December	.68	1.71	.76	1.12	2.25	1.90	1.69	1.53	.98	.91	
TOTALS	23.30 d	22.94 d	17.11 D	22.66 P	20.03 P	23.75 D	16.59 D	22.32 D	15.00 D	20.50 D	

Totals
18.73

12.79

12.17

10.97

17.37

18.28

21.38

21.78

17.40

19.60

19.80

13.53

204.10
46

1957. Nettes may have grown round the gauge and above the level of the top of it.
Gauge moved to a lean where there will be no question of overhanging foliage.

1946. Corrected for arithmetic, 2/3/56. 486
Letter from Chief Engineer, 28.6.51.

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	Parish Church.	Distance from gauge.	Direction

BRITISH RAINFALL ORGANIZATION

51

Observer G. McLeod, Esq. M.Sc. C.E.

L. F. Tellenham Esq. C.F.

2014年12月31日

Annual Average 22.0 in., based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Survey
21.34 " " " " " - 1916-1950 1916-1950 P
72 N. 22370/26

File No. 722170/26

Inspected 31.3.55 Mr. P.M.G. Debes. Gauge sound and certified. Site o/c SE gauge not dug in (18"). Reason. Digging in 20' NW wire exp. reasonable.
1956. Rather low but accept. Dec 6th 55 P.M.O. 3
1958 April port est.

No. of Map.....126.....

National Grid Reference (53) 529 029

Summary of Earlier Records from 10-year Sheets:

1916-1950, P- accepted

(62) Wt. 13072—389 10M 6/50 T.S. 841