

# RAINFALL AT

*Leake (Lade Bank Engine)*

80

Lat. ....

Lon. ....

County of

*Lincoln*

Rain Gauge, by

Observer

*J. E. Williams Esq. C.E.*

*within - 3.*

Diameter ....											
Height .....											
Altitude ....											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....				2.00	1.64	2.34	2.63	1.56	.73	.95	
February....				2.88	.90	2.01	.21	.24	1.22	1.58	
March .....				1.29	1.06	.71	2.02	1.20	1.78	2.16	
April .....				1.20	1.43	1.30	1.36	1.35	1.59	2.17	
May .....				2.76	1.00	1.69	2.90	1.41	.67	3.76	
June .....				3.35	1.05	1.93	1.25	.30	1.87	.39	
July .....				3.57	3.58	1.01	3.12	.92	5.44	2.03	
August .....				.61	1.01	2.00	2.14	1.82	2.41	3.64	
September....				8.09	2.15	3.00	1.16	2.30	1.32	1.92	
October ....				2.77	1.51	4.80	3.51	1.74	.59	3.08	
November....				3.10	1.07	3.41	3.52	1.76	1.89	.80	
December ....				1.91	2.73	.93	3.90	.88	1.28	1.31	
TOTALS ....				33.53	19.13	25.13	27.72	15.48	20.79	23.79	

# RAINFALL AT *Leake Lade Bank Engines*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

 County of *Lincoln*

Rain Gauge, by \_\_\_\_\_

Observer

*J. E. Williams Esq. C.E.*  
*C. G. W. Phillips C.E.*
*Witham - 3.*

Diameter	.....					8						
Height	.....						10					
Altitude	.....					8	10					
Year	.....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	.....	2.13	1.74	.84	.97	1.72	3.12	.93	1.59	.98	2.19	1.621
February	.....	.92	.07	1.65	2.62	1.06	.47	.44	2.57	.73	1.04	1.157
March	.....	1.30	1.55	.88	.46	.39	2.03	2.15	2.29	1.36	1.04	1.345
April	.....	.21	.57	1.19	.10	1.28	1.31	.90	1.05	2.27	1.82	1.070
May	.....	2.01	1.76	1.85	1.23	1.53	.64	.77	1.23	2.10	2.39	1.551
June	.....	1.14	3.17	2.31	2.03	1.80	1.21	1.49	1.68	1.68	.96	1.747
July	.....	2.23	2.11	2.28	2.31	2.73	1.94	.89	.92	.66	1.78	1.785
August	.....	1.32	3.39	1.70	1.16	2.28	3.21	1.94	2.66	3.97	.57	2.220
September	.....	.52	.99	2.63	.68	.72	.55	5.47	3.06	.16	2.36	1.714
October	.....	.85	4.11	4.69	2.28	3.24	2.22	3.72	.75	2.29	2.28	2.643
November	.....	2.37	2.41	1.05	2.45	1.77	1.75	.72	1.46	1.38	.96	1.632
December	.....	.49	2.89	.81	1.71	1.91	1.84	3.35	1.49	2.01	1.90	1.840
TOTALS	.....	15.49	24.76	21.88	18.00	20.43	20.29	22.77	20.75	19.59	19.29	20.325

RAINFALL AT Leake Lake Bank Engines

Lat. ....

Lon. ....

County of Lincoln South

Rain Gauge, by .....

Observer C. G. Phillips Esq. C.E.W. H. Johnson Esq. C.E.within - 3.

Diameter ..	8											
Height ....	1 0											
Altitude ..	107											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.08	.56	.93	1.76	1.20	.55	2.70	.94	.95	1.20	1.387	
February ..	4.33	1.02	1.11	.36	2.89	.72	2.30	1.29	1.21	.40	1.563	
March ....	.37	1.59	.64	2.77	1.16	1.64	1.80	1.77	1.94	3.13	1.681	
April .....	.86	1.36	1.36	1.12	.67	1.23	.39	1.31	2.13	1.54	1.197	
May .....	1.71	1.39	2.62	2.80	1.05	.78	1.31	2.74	1.73	1.00	1.713	
June .....	2.93	.65	2.62	1.34	1.03	2.13	2.11	2.19	1.84	3.92	2.076	
July .....	.75	3.72	1.39	2.48	2.80	.81	.24	1.38	3.44	4.36	2.137	
August ....	3.34	1.51	3.34	4.35	1.49	3.14	1.71	1.58	2.62	2.87	2.595	
September ..	.58	1.26	.75	3.43	2.86	2.14	.77	.47	2.22	1.15	1.563	
October ....	2.37	3.10	1.91	5.72	1.55	1.92	4.03	4.00	.78	3.01	2.839	
November ..	1.71	1.78	.90	1.74	1.04	1.95	2.69	2.10	.90	.67	1.548	
December ..	3.88	3.87	1.49	.98	2.18	.73	1.44	2.34	1.04	3.81	2.176	
TOTALS ..	25.91	21.81	19.06	28.85	19.92	17.74	21.49	22.11	20.80	27.06	22.45	55.9

1903 Old Leake Station  $1\frac{1}{4}$  miles SEngine House 30 ft high  
Shaft 90. } 75 ft S1909 Connected for many days  
Midville Church  $1\frac{1}{2}$  mile N

H. H. H.



RAINFALL at Leake Lake Bank EnginesCounty of LincolnshireObserver J. Johnson Esq C.E.River Basin Withamre 3

Rain Gauge, by \_\_\_\_\_

Diameter ...	8											
Height .....	10											
Altitude ...	10 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	1.32	1.91	2.36	2.31	1.64	2.33	.52	2.15	1.84	2.70		16.19
February ...	2.34	1.14	.94	.53	.54	1.95	2.77	1.00	1.07	2.62		7.21
March .....	.47	2.05	1.60	2.15	2.20	1.05	2.12	.98	.55	1.87		7.46
April .....	2.20	1.03	.21	1.71	.62	.27	1.76	2.26	1.36	1.69		5.52
May .....	2.45	.69	1.76	2.15	.63	1.09	1.60	1.70	2.18	.46		7.07
June .....	1.62	3.45	3.23	.74	1.82	.42	1.91	1.55	.48	.67		5.94
July .....	3.04	.32	3.62	.57	1.17	6.63	1.81	1.17	3.11	2.78		4.61
August .....	2.33	1.80	6.15	.03	1.59	2.28	1.49	4.45	1.65	2.59		8.87
September ..	.90	2.45	1.18	2.03	.97	.40	.84	.81	3.25	1.68		10.18
October ...	1.93	2.47	2.11	3.75	1.89	1.19	1.94	3.16	1.54	1.73		6.58
November ..	2.69	2.78	1.85	1.82	2.06	2.86	2.91	1.41	1.72	2.03		8.37
December ...	3.26	3.39	2.77	.62	4.41	4.91	2.41	.82	2.26	2.62		8.07
TOTALS ...	24.55	23.48	27.78	18.52	19.54	25.38	22.08	21.46	21.01	23.44		8.11
	D	3	7					D		d imp		27.99

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.4. N	0.4. E	Old Leake	14.5 18 m	S	Sigmarp Midville	8 m 12 m	SE N

RAINFALL at *New Leake Lade Banks Engine*County of *Lincolnshire*Observer *J. H. Johnson Esq C.E.*

died 1931

River Basin *Witham & C 3*

F. H. T. Jones

H. H. Jones

*Howard* Rain Gauge, by  
(126)

Diameter ...	8					5						
Height .....	10											
Altitude ..	10											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	Totals
January ...	1.69	1.64	1.90	1.53	1.54	1.33	(2.28)	1.57	3.42	1.59	1.68	20.17
February ...	.76	.27	2.65	2.71	.65	1.53	1.25	1.91	1.14	.45	.72	14.67
March .....	1.58	.52	1.88	1.89	.43	1.20	.56	1.16	1.29	.28	1.28	12.07
April .....	2.83	1.16	2.24	1.05	1.38	2.06	1.50	2.32	1.04	.49	2.56	18.63
May .....	1.74	1.73	.74	1.63	2.34	2.63	1.87	.46	.90	.78	2.09	16.91
June .....	1.74	.32	.75	.56	1.87	.08	2.89	3.48	2.44	1.30	.87	16.30
July .....	2.77	.41	4.06	2.01	1.91	.62	1.57	2.44	.84	1.72	3.18	21.56
August .....	1.42	2.01	1.86	1.75	1.95	1.26	1.62	4.23	1.70	.90	2.38	21.08
September...	1.39	.61	2.24	2.58	1.74	2.31	1.44	3.26	.51	.49	3.45	20.02
October .....	.43	2.22	1.03	1.85	3.61	1.90	1.68	1.82	3.11	2.71	1.22	21.58
November...	.45	1.30	1.08	2.56	1.54	2.43	2.14	2.15	2.07	3.83	2.87	22.42
December...	2.08	1.08	2.47	2.03	2.13	1.68	.67	1.99	2.00	(3.65)	1.10	20.88
TOTALS...	18.88	13.27	22.90	22.15	21.09	19.03	19.47	26.79	20.52	18.19	23.40	225.67
	d	d	d	d	d	d	d	d	d	d	d	d

1929. Dec. 23rd + 24th. referred to obs. who agreed to adjustment of 2nd.

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	53° 41'	0° 41'	Bld Leake	1 1/4 mi	S	St Mary, Bld Leake	3 mi	SE

RAINFALL at New Leake (Lade Bank Engine)County of LincolnshireObserver Witham & Steeping RiversRiver Basin Witham & C. 3V.A.C. Duffield Drainage BoardType of Gauge N.O.S.E. Buchanan, Esq., C.E. (1938)Annual Average in based on years obs. un-weighted. Period of average Ref 13566/31

Diameter	5											
Height	1	0							1	3		
Altitude	10								13			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.39	.89	1.36	1.20	2.11	2.09	2.64	1.88	2.65	1.23		Totals 18.44
February	2.21	.65	1.42	.68	1.07	2.00	1.24	.90	.48	2.02		12.67
March	.39	1.28	1.88	1.58	.26	.88	2.05	.20	2.08	1.40		12.00
April	1.98	2.51	1.11	1.56	2.53	1.42	2.45	.17	1.73	1.00		16.46
May	1.72	3.70	1.78	.82	.22	1.67	4.08	2.02	.67	1.74		18.42
June	2.23	.46	2.20	.66	3.20	2.94	1.58	.43	2.35	.67		17.22
July	3.58	2.92	.81	1.56	.65	5.97	2.61	2.93	3.12	4.92		27.07
August	3.92	1.89	.45	1.84	1.55	1.28	1.31	3.03	1.63	.79		17.69
September	2.19	2.29	1.49	1.46	2.91	.93	1.60	2.34	1.06	1.00		17.27
October	.94	3.64	2.97	1.22	2.13	1.91	1.26	2.04	3.41	2.36		21.88
November	1.66	1.51	2.18	1.55	3.86	1.63	2.03	1.83	3.40	3.63		23.78
December	1.52	.34	.53	3.17	1.91	.88	2.12	2.97	2.21	1.91		17.56
TOTALS	24.73	22.08	18.18	17.30	22.40	23.60	24.97	21.24	25.29	22.67		222.46
	d.	d.	d.	d.	d.	d.	d.	d.	d.	d.		448

1931 return was signed by V.A.C. Bureau

New gauge from 1/1/32

1939 Chimney 100' high 135' N.

Gauge moved 300' S, 15/1/39.

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.			Old Leake	1 1/4 m	S.	St. Mary.		
1938			Old Leake	1 m	S.	Old Leake	3 m	N.E.

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



Station No. 2544

RAINFALL at New Leake (Leake Bank Engine)

41

County of Lincolnshire

Observer G. E. Buchner Esq. R.C.

River Basin Witham &amp; C - 3

Type of Gauge M.O.

Annual Average 22.6 in. based on years obs. un-weighted. Period of average. Ref.

File No. 135696/31

Diameter	5"			150	163							
Height	1' 0"	1' 3"			1							
Altitude	10'	13'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.55	2.42	4.15	2.46	1.59	1.32	1.61	3.83	1.18	1.79		Totals 20.70
February	2.37	1.01	.38	2.12	1.53	1.69	(1.44)	.97	.74	2.95		15.20
March	2.85	.87	.58	.26	.80	.91	3.80	.36	.85	1.78		12.06
April	.61	.71	.84	1.87	1.06	.90	1.75	1.31	2.00	1.93		12.98
May	1.96	3.29	2.22	1.72	.99	1.39	.42	2.80	1.81	2.33		18.93
June	.37	1.11	2.13	2.56	2.59	1.48	2.56	2.68	.67	1.81		12.96
July	3.79	2.71	.93	1.78	1.37	1.98	1.62	1.54	1.90	2.54		20.16
August	4.17	2.38	2.13	2.74	3.19	3.19	.02	3.14	2.46	2.35		25.77
September	.76	1.13	1.55	3.61	1.45	2.86	1.30	2.62	1.00	3.59		19.87
October	2.81	1.97	.77	2.65	2.22	2.42	.23	(1.80)	3.78	.89		19.54
November	2.67	2.11	2.22	3.54	.84	4.53	1.15	1.09	2.65	3.81		24.61
December	.62	1.57	.75	1.09	1.94	2.09	2.57	3.35	1.28	1.77		17.03
TOTALS	24.53 D	21.28 D	18.65 D	26.40 D	19.57 D	24.76 D	18.47 D	26.49 D	20.32 D	25.54 D		226.01 D

1941 Chimney 100' approx. high 135' N.

20004 00044

\* used in General Tables. Origin unknown

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			Old Leake	1 m.	S.	Old Leake	3 m.	S.E.

Station No. 2844

RAINFALL at NEW LEAKE (LAKE BANK ENGINE)

51

County of LINCOLNSHIRE

Observer G. E. BURNHAM, Esq., C.E.,

River Basin V. 1000 &amp; C-3

Within Forest District National Drainage Board

Type of Gauge M.O. Rosella Mk II

Annual Average 22.6 in. based on 22 years obs. un-weighted. Period of average 1916-50. Ref.

File No. 135.696/318.

Diameter ...	5"			150	163					5"	
Height ...	1' 3"				1					1' 1"	
Altitude ...	13'				51					13'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	2.77	1.51	.69	1.23	1.80	5.24	1.55	1.90	2.69	3.62	23.00
February ...	2.67	.41	1.71	2.34	2.53	1.29	2.62	3.38	.20	2.64	19.79
March ...	2.97	2.85	.92	1.79	1.87	.77	1.26	1.57	2.04	1.01	17.05
April ...	2.37	.95	1.73	.51	1.16	1.08	.26	.73	1.68	0.71	11.18
May ...	2.98	1.74	2.82	2.19	2.79	.60	1.74	2.59	.25	0.68	18.28
June ...	1.05	1.14	3.26	2.54	2.58	2.01	1.81	3.02	.78	0.30	18.49
July ...	.97	.38	1.53	1.88	.43	2.02	2.82	3.94	1.99	2.76	18.72
August ...	3.26	1.82	2.72	3.75	.97	3.56	2.35	1.52	1.16	3.36	24.46
September ...	1.54	2.13	.96	2.17	.88	1.76	3.76	1.97	.18	2.06	17.41
October ...	1.01	1.94	2.14	2.35	1.54	.99	1.39	2.23	1.39	5.24	20.22
November ...	3.07	2.51	1.36	3.52	1.15	.89	1.85	.89	1.89	3.40	20.53
December ...	1.03	1.64	.85	1.95	1.69	1.20	1.89	2.80	3.25	4.19	20.49
TOTALS ...	25.69 d	19.02 d	20.69 d	26.22 D	19.39 D	21.30 D	23.30 D	26.54 D	17.50 D	29.97 D	229.62

Inspected 23.60 by 366666 Inuar 100'-120' NE (narrow) o/c SSE → W → NW 10' down bank the bank.  
 alt. site rec. near staff houses (being altered at present). Old pear tree 25' 35' S otherwise  
 satisfactory

\* Used in S.T. Origin unknown

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TF(53) 378544

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1954			Oad Leake	1m S	Oad Leake	2m S.E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ D10-12, 17 d	✓ d (but) 29	✓ d (but) 33, 34	✓ d (but) 43-45	