

## RAINFALL AT Wroot Engine

Lat.

Long.

County of

Lincoln

Rain Gauge, by

Observer

A. L. Read Eng. C.E.

Trent, Leante 7.

Diameter .....							10				
Height .....							5.6				6.0
Altitude .....											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....					2.38	1.45	2.72	1.99	.61	1.64	
February .....					1.02	1.92	.31	.40	1.04	.92	
March .....					1.19	1.08	2.04	1.15	2.02	3.12	
April .....					1.02	1.47	1.78	.98	1.27	2.40	
May .....					.65	1.58	4.37	1.53	.52	3.42	
June .....					.69	3.15	.87	.22	2.23	.46	
July .....					2.81	.58	2.31	1.30	6.02	1.35	
August .....					1.16	1.44	1.86	1.99	2.08	3.28	
September .....					1.02	1.87	1.05	1.59	1.24	1.50	
October .....					.85	3.64	3.50	1.82	.81	3.12	
November .....					.80	2.03	1.33	1.52	2.91	.39	
December .....					1.50	.95	3.60	.74	1.81	1.08	
TOTALS .....					15.09	21.13	25.74	15.23	22.56	22.68	

1<sup>1</sup>/<sub>2</sub> N.Y.

Wroot Church 1 mile W.

1886 House 23ft high 16ft N.

RAINFALL AT Wroot Engine

Lat.

Len.

County of

Lincoln

Rain Gauge, by

Observer

A. L. Peace Esq C.E.

Trent S bank - 7.

Diameter .....	10									
Height .....	60									
Altitude .....	...									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January .....	1.93	1.15				2.27				
February .....	.98	.12				.33				
March .....	1.76	1.33				1.75				
April .....	.50	1.30				1.38				
May .....	2.37	2.87				.61				
June .....	3.02	1.48				2.28				
July .....	2.36	2.74				4.54				
August .....	2.74	3.31				1.57				
September .....	1.29	1.15				.93				
October .....	.87	3.19				2.55				
November .....	2.68	2.64				2.33				
December .....	.55	2.86				2.14				
TOTALS .....	21.05	24.14	14.60			23.68	7.78	18.00		

## RAINFALL at Wroot S Level Pumping Station

County of Lincolnshire

Observer Mr F. Tafford

River Basin Trent Left Bank Tributaries 7

Rain Gauge, by

Diameter ...			10								
Height .....			5.0								
Altitude ...			13.7								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			2.66	2.14	.91	1.68	.33	2.00	1.36	2.94	663
February ...			.56	.45	.46	1.79	2.62	.58	1.30	1.74	624
March .....			1.92	1.65	1.45	.79	2.84	.80	.64	2.39	667
April .....			.11	1.72	.50	.63	.74	1.46	.97	1.38	445
May .....			2.39	1.89	1.36	1.09	2.14	1.51	2.27	1.04	696
June .....			3.70	.73	1.20	.64	1.25	1.06	.60	1.24	415
July .....			3.81	.44	3.03	3.74	1.07	1.01	3.72	2.00	780
August .....			4.15	.72	2.34	2.69	1.62	4.35	2.34	2.07	1038
September ..			1.08	2.73	.78	.81	1.15	.80	4.10	1.30	735
October ...			2.07	2.43	1.71	.94	1.36	2.45	.96	2.39	716
November ..			1.49	1.46	1.75	1.92	2.01	.95	1.49	1.52	597
December ...			2.19	1.21	3.58	4.55	1.91	7.5	2.97	3.14	877
TOTALS ...			26.43	17.57	19.07	21.27	19.04	17.72	22.62	23.15	8253 d imp.

1912 Burden the 30 ft high 18 ft S.E.  
 Workshops 18. . 21 N.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Park Lane	2 miles	S	Wroot	2 mi	W

## RAINFALL at Wroot &amp; Level Pumping Station

County of Lincolnshire Observer Mr. G. S. Grapford

River Basin Trent-Left Bank Trib. 7. A. J. Shafford.

10" Square Rain Gauge, by \_\_\_\_\_

(1928) Standard

Diameter ...	10											
Height .....	4.0											1.6
Altitude ...	12											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	2.19	1.35	2.19	1.44	1.48	1.34	1.98	1.46	3.47	1.50	2.48	2088
February ...	1.72	2.21	2.57	3.36	1.73	2.26	1.11	1.27	1.63	.45	.49	1600
March .....	2.29	1.45	1.48	1.67	1.76	.58	.47	1.08	1.55	.11	2.04	1248
April.....	3.54	1.11	2.25	1.01	1.05	1.89	1.56	1.55	.66	.45	2.10	1747
May .....	1.80	1.20	.98	3.12	2.62	3.67	2.14	1.01	1.63	.84	1.42	2046
June .....	1.55	.22	1.07	1.25	1.29	.07	4.06	2.25	2.16	.74	1.22	1588
July .....	3.80	.60	3.53	3.18	2.07	1.06	1.10	1.74	.62	1.42	4.32	2344
August .....	.96	3.81	3.02	2.02	3.12	2.35	2.36	3.76	2.36	1.89	2.70	2835
September...	1.74	.58	2.06	2.14	2.19	2.55	.91	3.76	.16	1.08	3.22	2039
October.....	1.73	1.26	.84	1.18	3.44	2.07	1.98	1.21	3.84	2.92	1.98	2248
November...	1.09	1.43	.80	2.16	1.27	1.69	2.20	2.04	2.48	3.44	2.98	2188
December ...	1.96	1.82	2.85	2.27	1.72	1.58	.58	1.88	1.52	3.38	1.45	2101
TOTALS...	24.37	14.04	23.64	25.01	21.74	21.11	20.45	23.01	22.11	18.85	26.40	24072

1920 Workshop 18 ft high 21 ft N.W.

Boiler House 30 ft - 18 ft S.E.

1928 Gauge moved during summer 150 yds E.

1930 Iddesley 4 ft high 20 ft N.

Position of Station on reduced Ordnance Survey Map, 2 miles 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
1920			Park Drain	2 mi	S	Wroot	2 mi	W.

## RAINFALL at Wroot (S Level Pump Station).

County of Lincolnshire Observer Mr. J. J. Pafford.

River Basin Trent-Left Banks Tributary 7 G. H. Summers Esq. C.E. (from 1936)

Type of Gauge W. H. Hale Esq. CE (1940)

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

Y26488/38

Diameter	10										
Height	16										
Altitude	8										7
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.69	.72	1.74	1.24	1.25	3.40	3.56	1.43	4.03	1.03	2012
February	2.08	.50	1.88	.39	2.58	2.37	2.09	1.20	.93	1.89	1591
March	1.15	1.15	2.56	1.90	.57	1.08	2.46	.27	1.84	1.54	1352
April	2.80	1.66	.64	2.50	1.96	1.26	3.44	.07	1.18	1.76	1727
May	2.29	6.44	2.03	.86	1.40	.99	3.80	3.34	1.37	.36	2187
June	4.55	.48	2.75	1.14	3.89	3.81	3.06	2.06	2.10	1.17	2501
July	3.54	2.70	1.38	1.68	.55	6.48	2.81	3.54	2.11	5.10	2189
August	4.20	1.47	.36	1.12	1.78	2.08	.19	2.51	3.38	.63	1772
September	2.36	1.20	1.87	1.43	3.47	2.00	.71	1.64	.82	.54	1604
October	.57	3.09	4.72	1.25	3.17	1.95	2.92	2.37	3.03	3.85	2692
November	2.52	1.14	1.80	2.35	4.31	2.65	1.63	2.12	4.17	5.72	2831
December	.83	.88	.27	3.36	2.40	1.17	4.88	3.17	2.83	2.63	2247
TOTALS	27.58	21.43	22.00	19.24	26.33	29.24	31.45	23.72	27.79	16.27	25505
	D	D	D	D	D	D	D	D	D	D	

1931 Building 30' high 80yds. W. Hedge 6' high 40' N. Chimney 120' high 80yds. W.  
1934 Hedge 2.6' high 20yds N.

1936 " 3' " 10yds S.

1939 " " 30ft " River Trent Catchment Bd.

1.5.1940. Gauge taken over by W.H. Hale Esq. A. R. 1940 total reasonable HR. 13/11/46

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
1931.			Park Drain	2m	S.W.	Wroot	2m

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

Station No. 2586

## RAINFALL at Wroot (S. Level Pumping Station) 41

County of Lincolnshire Observer Mr. H. Haile Esq. C.B.E.

River Basin Trent - Left Bank - 7

Type of Gauge.

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

File No. 726488/38

Diameter	10"		128	086		5'					
Height	1' 6"				1						
Altitude	8'				41		7'				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	1.45	1.31	3.21	2.35	1.53	(1.80)	1.87	3.88	.90	1.07	1937
February	2.53	.52	.94	1.92	1.53	(2.60)	1.25	1.19	.58	3.16	1622
March	2.56	2.51	.58	.46	.57	(1.20)	3.85	.44	1.28	.81	1426
April	1.12	.69	.97	2.37	1.56	(1.80)	1.74	.90	1.71	3.40	1526
May	1.65	3.01	2.39	2.31	1.49	1.46	1.17	1.34	1.53	2.01	1836
June	.49	1.63	1.72	2.03	2.45	1.98	2.18	2.48	.59	1.25	1680
July	3.23	1.28	1.52	1.89	1.70	2.69	1.75	1.07	3.21	1.97	2031
August	2.69	2.38	2.18	4.62	2.43	2.77	.37	2.87	1.70	2.24	2625
September	.39	1.45	2.87	4.98	.89	2.97	1.10	2.20	.66	2.88	2039
October	2.59	1.74	1.60	2.62	2.50	(1.90)	1.08	1.58	2.50	1.74	1785
November	3.01	1.61	1.72	3.61	(1.60)	(4.50)	.98	1.01	2.86	2.48	2338
December	.13	1.58	.68	1.54	(1.30)	(2.70)	2.29	2.65	1.08	1.28	1573
TOTALS	21.84	19.71	20.38	30.70	(18.58)	(28.37)	19.63	21.61	19.10	24.29	22418

1941-N.R. Back years 1940 Sept 1945 and 1946. Annual Totals seem reasonable HR 12. 12. 46

Our 1945 - April 1946 Normal gauge out of commission (measured higher).

Pump level

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

Station No. 2586

## RAINFALL at Wroot (S. LEVIA RUGGING STATION)

County of LINCOLNSHIRE

Observer W. H. HARVEY, Esq., C.E.,  
Met. 161553

River Basin TRENT - L. BANK - 7

M. N. M. E. M. B. S. T. P. B. S. C. E.

Type of Gauge MKII

Trent River Board

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

22.88 11 1947-51

File No. 1416-50 526488/38

Diameter ...	5"		128	086		5"						
Height ...	1' 6"				1		1' 0					
Altitude ...	7'				51		7'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	1.49	1.57	1.49	1.01	1.38	3.40	1.22	1.87	1.75	4.43	18.61	
February	2.52	1.41	1.36	1.85	1.51	1.07	1.44	2.79	1.15	1.74	14.84	
March	2.61	1.89	1.53	1.46	2.22	1.85	1.43	1.64	1.69	1.04	14.36	
April	1.62	.57	1.53	.18	1.00	1.53	.14	.32	1.90	0.69	8.48	
May	3.79	1.04	1.23	2.82	2.61	.47	1.18	1.72	.41	0.59	15.86	
June	.94	2.05	1.28	1.56	2.69	3.54	1.98	4.85	.82	0.54	20.35	
July	.96	1.46	1.97	1.96	.62	3.66	4.43	6.14	1.23	2.90	25.32	
August	4.56	.93	2.51	5.34	.46	4.81	3.14	2.79	.48	2.33	27.35	
September	1.40	2.25	1.93	1.55	.98	1.70	3.51	1.51	.02	2.16	16.01	
October	1.20	2.21	1.86	3.21	1.52	1.12	1.25	1.55	1.93	4.69	20.54	
November	4.70	1.66	1.40	4.15	1.24	.68	2.13	.81	2.52	3.30	22.19	
December	1.05	1.46	1.18	2.04	1.96	1.51	1.77	2.79	2.50	2.13	18.33	
TOTALS ...	26.84	17.44	15.97	27.13	18.19	24.23	23.62	28.78	14.40	26.54	222.14	
	D	d	d	D	D	d	d	D	D	D		

1957: Old no. 1 gauge set in concrete, replaced by new MKII gauge set in accordance with B.R. rules. (8.10.57)

Imp. B.R. 1959 J.B.O.K. Badly off砼. Satisfactory exposure.

Position of Station on Ordnance One-Inch map : No. of Map 103 National Grid Reference S.E. (446) 132017

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

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
	C1912 D217, d19	✓ ✓ but d223, 25	✓ ✓ but -40	41-44, 47-50 D47-50	