

RAINFALL AT North Level Engine Thorne Doncaster

Crowle.

Lat. Lon. County of Lincoln

Rain Gauge, by

Observer W. J. Turner

Bircham

a. L. Peace Esq. C.R.

Trent - 7.

Diameter	5										
Height	2.3										
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January56	1.79	2.14	2.63	1.44	3.37	1.97	.66	1.50		
February	2.71	1.52	2.46	1.02	1.82	1.43	.36	.80	1.01		
March	1.90	1.47	1.04	1.30	1.08	1.79	1.13	1.87	2.79		
April	1.08	2.81	2.20	.93	1.60	1.78	.98	1.16	1.77		
May75	1.68	1.88	.47	1.24	5.09	1.76	.52	2.67		
June	1.40	3.62	1.84	.57	2.71	.73	.10	2.25	.35		
July	1.69	3.12	2.78	2.42	.71	2.57	1.35	6.71	1.33		
August	4.77	2.12	.89	2.66	1.36	2.34	2.76	2.22	3.14		
September	1.96	1.87	5.86	1.12	2.14	1.01	1.73	1.48	1.27		
October	1.94	4.51	3.17	.82	1.00	3.60	2.00	.74	3.27		
November	2.09	3.05	2.48	.98	1.90	1.26	1.16	3.08	.44		
December	2.03	4.11	1.42	1.90	.84	4.00	.71	1.72	1.23		
TOTALS	22.90	31.67	28.24	16.82	20.84	27.96	16.01	23.21	20.77		

Belton Church 4 miles S.E.

Fence 6ft high 13ft W

1884 fence moved 12 ft E. Sept 22nd

Shed 7ft high 21ft S

Crowthorne.

RAINFALL AT N Level Engine [Thorne Doncaster]

Lat.

Long.

County of

Lincoln

Trent, L bank - 7.

Rain Gauge, by

Observer

A. Peace Esq C.R.

Mr Turner

Diameter	5										
Height	2.3										
Altitude										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.98	1.14	.91	1.37	1.36	3.32	.57	1.87	.46	1.46	1.4444
February85	.02	1.51	2.24	3.11	.20	.68	2.52	.56	1.28	1.247
March	1.62	1.53	.64	.27	.55	1.76	1.46	2.11	1.15	.83	1.192
April51	1.26	1.20	.26	1.48	1.34	.57	2.20	2.18	2.00	1.900
May	2.21	2.56	2.83	1.37	.83	.73	.63	.78	1.54	2.47	1.595
June	2.28	2.10	3.29	1.48	2.16	2.76	2.24	2.16	1.10	1.86	2.143
July	2.65	3.13	1.17	3.32	3.10	3.69	1.47	.43	.61	.98	2.056
August	2.65	2.51	2.19	1.73	2.07	1.98	2.22	2.92	3.60	.90	2.271
September	1.17	1.26	.90	.86	.49	1.01	4.44	2.33	.89	1.72	1.509
October81	2.90	4.40	1.26	2.95	2.61	4.06	1.27	2.53	2.91	2.570
November	3.31	2.30	1.20	2.06	1.22	1.99	1.28	2.52	1.68	.91	1.817
December61	2.60	.52	2.43	1.63	1.86	2.46	1.75	1.56	2.67	1.809
TOTALS	20.65	23.31	20.76	18.65	20.95	23.25	22.08	22.86	17.86	19.99	21.036

1890 Delta Church 4 miles SE

Shed 7 ft high 21 ft S

1891

Crowle
RAINFALL AT North Level Engine [Thorne, Doncaster]

Lat.

Lon.

County of Lincoln North

Copper

Rain Gauge, by H. C. W. H. & Co. Observer Mr. Turner

Trent - 7.

mf Banting & Co.

Diameter ..	5										
Height ..	2.3										
Altitude										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.53	.83	.84	1.53	1.79	.56	2.20	.65	.96		
February ..	2.76	1.21	1.37	.87	2.51	.58	1.99	1.17	1.56		
March ..	.56	1.19	1.20	2.12	1.40	2.07	1.23	1.16	2.47		
April ..	1.19	1.31	1.87	1.26	1.07	2.07	.70	1.54	2.48		
May ..	.96	.62	2.34	2.88	2.10	.41	1.32	2.80	2.16		
June ..	1.97	1.04	2.01	1.58	.57	1.50	1.45	3.08	1.14		
July ..	1.64	2.99	1.62	2.54	1.67	1.17	.54	1.82	3.60		
August ..	3.86	1.81	2.12	2.86	3.66	2.70	1.20	1.72	1.56		
September ..	.80	.88	.55	3.28	1.40	1.41	.78	.62	1.37		
October ..	2.12	1.73	2.32	5.62	.38	1.41	4.58	4.33	.50		
November ..	2.23	2.65	1.28	1.11	.93	2.39	2.50	2.03	.76		
December ..	2.63	4.46	1.60	.66	1.49	.32	2.08	2.38	1.13		
TOTALS ..	23.25	20.72	19.12	26.31	18.97	16.62	20.57	23.30	19.69		

D D D D

1900 Belton Church 4½ miles S.E.

Shed 9 ft high 21 ft S

1903 Crowle Station 2½ miles E

RAINFALL at Crowle N Level Engine

County of Lincolnshire Observer Mr H. G. Trapaud

River Basin Tread Left Bank Tributaries 7

Rain Gauge, by _____

Diameter ...	5										
Height	2.6										
Altitude ...	10?										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.39	1.05	3.18	2.62	1.16	1.92	.34	2.70	1.31	3.12	147
February ...	1.41	.88	1.05	.58	.47	2.09	3.04	.69	1.41	2.07	721
March68	1.32	2.15	1.61	1.75	.92	3.59	1.53	.88	2.83	883
April	1.79	1.17	.10	1.71	.45	.48	.94	1.50	1.33	1.70	547
May	1.85	.64	2.54	1.50	1.40	1.26	2.58	1.52	2.04	.76	689
June	2.33	3.84	4.00	1.26	1.51	.41	1.43	1.24	.49	1.02	418
July	3.89	.38	4.15	.23	4.29	4.81	1.29	.90	3.73	2.37	829
August	2.43	1.94	3.90	.75	2.76	2.91	2.04	4.80	2.78	2.36	1198
September ..	.20	2.11	1.42	1.74	.76	1.01	1.24	.79	3.92	1.41	736
October ...	2.81	1.64	2.52	1.73	1.84	.96	1.68	3.25	1.09	2.85	887
November ...	2.80	2.19	2.26	1.68	1.86	1.97	2.34	1.27	1.52	1.71	684
December ...	2.46	3.40	1.67	1.26	3.91	4.76	2.04	1.05	3.27	3.23	959
TOTALS ...	24.04	20.56	28.94	16.67	22.16	23.50	22.55	21.24	23.77	25.42	92.98
										d imp	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Crowle	2 1/2	E	Betton	4 1/2	SE

RAINFALL at Crowle 3 Level Pumping Station

County of Lincolnshire) Observer Mr. H. G. Tafford

River Basin Trent-Left Bank Trib. 7.

Rain Gauge, by _____

Diameter ...	5"						5				
Height	2.6						2.6		2.0		
Altitude ...	13						11				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN.
January ...	2.02	1.44	2.52	1.59	1.51	1.47	2.19	1.62	1.18	1.95	2.55
February ...	1.95	2.20	2.61	3.77	1.82	2.49	1.35	1.45	1.54	.50	2.29
March	2.11	.67	1.52	1.49	.89	.77	.54	1.31	2.10	.15	2.08
April.....	3.34	.99	1.84	1.09	1.15	2.35	1.47	1.38	.65	.68	1.84
May	1.93	1.55	.88	3.67	2.39	4.21	2.84	.98	1.84	.95	1.46
June	1.29	.30	1.07	.96	2.02	.00	4.08	2.79	3.04	.85	1.54
July	3.80	.51	3.86	2.61	2.41	1.35	1.28	2.42	.61	1.45	5.69
August89	3.39	2.77	2.96	2.91	2.77	3.01	3.87	2.86	1.83	2.21
September...	1.23	.61	2.01	2.82	2.24	2.53	.98	4.09	.26	1.02	4.09
October.....	1.82	1.40	.99	.92	3.29	2.37	2.50	1.38	4.25	2.92	2.13
November...	1.00	1.89	1.02	1.67	1.55	1.61	2.49	2.30	2.55	4.09	3.22
December...	2.18	1.83	2.35	2.49	2.05	1.86	.55	2.62	1.67	3.69	1.62
TOTALS...	23.56	14.78	23.44	26.04	23.23	23.78	23.28	26.21	25.58	20.08	28.72
	d	d	d	d	d	d	d	d	d	d	d

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
			Crowle	2 1/2 mi	E	Belton	4 1/2 mi S E.

RAINFALL at Croxle (N. Level Pump Station)

County of Lincolnshire

Observer Mr. H. G. Tifford

River Basin Trent-Left Bank 7

E. H. Symons Esq. C.E. (from 1936)

Type of Gauge McCormick

W. H. Haile Esq. CR. (1940)

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

Y26488/38

Diameter	5										
Height	20										
Altitude	10					8	8			10	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.70	.93	1.77	1.49	1.63	2.84	3.13	1.55	3.40	2.07	2101
February	2.24	.54	2.83	.62	2.09	2.27	2.32	1.11	1.08	1.98	1708
March	.18	1.81	2.46	1.97	.68	.99	2.21	.37	1.87	1.75	1379
April	3.05	1.82	.79	2.39	1.97	1.26	3.26	.15	1.16	1.56	1741
May	2.19	6.22	2.09	.77	4.40	1.40	3.46	3.21	1.29	3.45	2148
June	4.76	.65	2.74	1.99	2.25	3.22	3.08	2.18	1.04	1.08	2359
July	3.57	2.76	1.11	1.74	.37	4.61	2.56	2.95	2.94	5.39	2800
August	3.93	2.12	.43	1.42	1.92	1.66	.21	2.70	3.19	0.66	1924
September	2.68	1.49	2.18	1.43	3.48	1.81	.69	1.93	.98	0.80	1747
October	.71	2.78	5.24	1.26	2.37	1.93	2.50	2.69	2.51	3.20	2518
November	2.95	1.16	1.71	2.31	3.60	2.39	1.56	1.97	3.76	4.28	2569
December	.85	.78	.36	3.40	2.37	1.05	4.13	3.47	2.12	2.15	2068
TOTALS	28.81	22.56	23.71	20.78	23.13	25.43	29.11	24.28	26.44	25.87	24962

1936 House Buildings 25' high, 30° E

1.S.40. Gauge taken over by W.H. Haile Esq. of River Trent Catchment Bd.

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
1939			Croxle	2 1/4 m	NE.	Croxle	2 1/4 m	NNE.

Station No. 2557

RAINFALL at Crowth (77. Level Pumping Station)

41

County of Lincolnshire Observer W. H. Haile Esq. C.E.

River Basin Trent - Left Bank - 7

Type of Gauge Standard

Annual Average 22.0 in. based on years obs. un-weighted. Period of average

Ref.

File No. 726488/38

Diameter	5"			128	787						
Height	2' 0"										
Altitude	10'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	2.65	2.63	3.14	2.05	2.38	1.96	2.05	3.93	.69	.92	22.40
February	2.81	1.16	.61	2.00	1.75	2.40	1.57	.91	1.80	3.72	17.73
March	2.82	1.49	.50	.31	.42	1.63	4.27	.26	1.41	1.03	14.14
April	1.02	.64	.98	2.58	1.74	(.80)	1.31	1.08	1.69	3.44	15.28
May	1.24	2.50	2.00	2.14	1.62	(1.50)	1.52	1.34	1.66	2.00	17.52
June	.34	1.58	1.48	1.78	2.62	(1.90)	1.38	2.82	1.28	1.59	15.77
July	2.81	1.86	2.04	1.90	1.47	(1.90)	1.49	1.07	2.63	2.09	19.26
August	1.90	2.91	2.51	3.48	2.57	(5.30)	.30	3.21	1.82	2.33	26.33
September	.40	1.52	2.66	4.70	1.23	(3.30)	1.10	1.17	.58	2.87	14.53
October	2.49	1.73	1.60	2.37	2.62	(1.90)	.89	1.90	2.70	.86	18.06
November	2.89	1.16	1.67	3.78	.39	4.12	1.10	.91	2.79	3.69	22.50
December	.51	1.50	.90	1.54	1.29	2.64	2.27	2.27	1.61	1.48	16.01
TOTALS	21.88	20.68	20.09	28.63	20.10	(28.35) inc. D.n.p.	19.25	20.81	18.66	26.02	22.453

1946 Record incomplete owing to death of P.S. attendant.

* Used in final tables. Origin unknown.

↑ Wind Whittlebury 258615

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

BRITISH RAINFALL ORGANIZATION

Station No. 2587

51

RAINFALL at CROWLE (N LEVEL PUMPING STATION)

County of LINCOLNSHIRE

Observer W.H. HARVEY, M.Sc., C.E.

River Basin TRENT L. BANK - 7

M. NIXON, Esq. A.R.C.S.

Type of Gauge HOWARD M.O. (4492)

Trent River Board C.E. (801954)

Annual Average 22.0 in. based on years obs. un-weighted. Period of average

23.60 " 35 " 1916-1950

Ref. 213791-53

File No. 726488/38 P

Diameter	5"		128	787		6"					Means
Height	2' 0"				1		1' 0"				
Altitude	10'				51		10'				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Total
January	1.58	1.44	.52	1.18	1.43	3.36	1.08	1.93	1.84	1.22	18.58
February	2.57	.44	1.90	1.56	1.70	.99	1.46	3.15	.26	1.45	15.48
March	2.45	2.22	.55	1.33	2.14	.80	1.08	1.51	.65	1.14	18.87
April	.79	.73	1.21	.25	.94	1.79	.26	.30	2.01	0.74	9.02
May	3.49	1.07	1.51	2.79	2.25	.50	.88	1.64	.34	0.65	15.12
June	.92	2.38	1.19	1.53	2.73	3.61	2.15	3.66	1.27	1.48	19.92
July	1.46	1.39	1.90	1.93	.82	3.21	3.51	4.69	1.24	3.30	23.45
August	4.88	.67	2.27	4.87	.09	4.68	3.25	1.84	.44	2.26	25.25
September	1.29	3.56	1.79	1.66	.73	1.67	3.46	1.36	.02	1.96	17.50
October	1.57	1.98	1.74	2.87	1.53	.96	1.06	1.43	1.72	4.76	19.62
November	4.89	1.97	1.21	3.73	1.31	.64	2.12	.63	2.23	3.46	22.19
December	1.36	1.48	1.14	2.09	2.12	1.60	1.82	2.70	2.35	2.12	18.78
TOTALS	27.25	19.33	16.93	25.79	17.79	23.81	22.13	24.84	14.37	26.54	218.78
d	d	d	D	d	d	d	d	d	d	d	

1957 Height of gauge above ground 10' from 8th Oct. Partly home-made gauge, replaced by Mk. II in slightly different site (old site too near P. stored under lead cables).

July 1959, BDK. Electric pole 80' 70' NW otherwise satisfactory exposure. Old gauge a very poor Howard with home-made shield placed on top of rods of bare wire and in a small enclosure. Similar exposure except under wires.

* Located in G.T. being unknown.

Position of Station on Ordnance One-Inch map : No. of Map 103 National Grid Reference SK(44) 719098

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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
	✓ D19, 17, d19.	✓ ✓	✓	✓	41-45, 47-50 Volund 47