

## RAINFALL at Burton Reservoir

County of Staffordshire

Observer F. J. Dixon Esq C.E.

River Basin Trent &amp; its Tributaries 4

Snowdon Rain Gage, by

Diameter ...										5"
Height .....										1.0
Altitude.....										309
Year .....	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919 MEANS.
January.....										3.18
February ...										2.15
March .....										4.21
April .....										1.37
May .....										1.18
June .....										1.05~
July .....										1.91
August .....										3.12
September...										1.66
October .....										2.24
November...										1.73
December ...										4.28
TOTALS ...										28.08 D

Water Tower 95 ft high 120 ft S.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919	52° 48' 5"	1° 36' 18"	Burton	1½ mi	W	St. Peters	¾ mi	S. W.

RAINFALL at Buxton Reservoir,

County of Stafford Observer J. J. Dixon, Esq., C.E.  
 River Basin 4 - Trent S. S. Stafford 13 W.  
Standard Rain Gauge, by

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.
Height .....	1.0											
Altitude ...	309											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	2.95	2.20	3.14	1.32	2.47	1.78	2.67	2.09	4.93	1.25	4.03	
February ...	1.76	2.27	2.42	4.17	1.43	2.81	2.43	1.70	2.30	1.35	1.70	
March .....	1.64	1.57	1.58	1.43	1.77	1.99	1.14	2.11	1.81	1.13	2.74	
April.....	4.17	1.35	2.43	2.15	2.16	1.96	2.11	1.37	1.46	1.69	2.30	
May .....	2.27	1.36	1.19	1.93	3.29	5.24	3.55	1.45	1.44	1.87	3.77	
June .....	2.26	1.32	1.72	4.47	1.98	1.02	2.28	4.13	2.46	1.21	1.20	
July .....	4.25	1.48	1.71	5.47	2.64	2.59	2.53	2.82	1.17	2.51	5.47	
August .....	1.96	5.16	5.37	2.21	3.59	3.34	2.10	3.46	3.31	2.58	2.59	
September...	1.99	1.26	2.17	2.47	2.77	3.36	1.83	3.24	1.61	1.65	3.57	
October.....	2.01	2.42	1.46	2.63	3.76	3.20	2.75	1.96	3.69	3.24	2.44	
November...	1.99	1.70	1.93	1.67	1.63	1.65	3.84	2.84	3.15	5.46	2.80	
December...	2.62	1.79	3.94	3.33	2.46	2.13	1.79	2.22	1.64	4.26	1.99	
TOTALS.	28.27	19.88	29.36	29.25	28.15	29.07	27.02	29.39	26.97	24.20	33.60	
	D	D	D	D	D	D	D	D	D	D	D	

1920 Water level 95.0. 1920.0. D.W.  
 24.12.28 Inspected by Dr G. L. G. Inspected by Dr G. L. G. see green file

Position of Station on reduced Ordnance Survey }			No. of Map	Reference No.	
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge
1920	52° 48' 5" N	1° 36' 18" E	Buxton	15 miles W.	St Peter's, Chapel Hill 2 miles S.W.

## RAINFALL at Burton Reservoir

County of Staffordshire Observer F. J. Dixon Esq., C.E.

River Basin Trent Left Bank strips 4

Type of Gauge Standard 191960

Annual Average 25.1 in. based on 7 years obs. -weighted. Period of average 1881-1915 Ref. 3

731754/26

Diameter	5										
Height	10										
Altitude	300										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.44	1.65	1.61	2.46	1.82	3.48	3.01	3.04	4.38	2.90	24.76
February	2.56	2.25	3.39	3.30	1.90	1.70	3.60	1.61	1.20	2.98	18.49
March	.06	1.69	2.15	1.80	1.67	1.23	2.00	1.25	1.49	2.00	13.34
April	3.20	2.84	1.16	2.25	2.85	1.72	2.11	1.15	1.62	1.88	19.78
May	3.08	6.73	1.71	1.83	1.34	2.6	2.07	1.55	1.34	.92	18.83
June	2.94	.86	1.56	1.00	2.71	3.39	.51	1.41	.98	.90	16.13
July	3.50	3.11	2.49	1.30	1.36	3.72	2.83	3.09	4.27	2.29	26.96
August	5.12	2.92	0.77	1.88	1.21	1.06	.53	2.14	2.62	.08	18.33
September	1.72	2.16	1.38	1.91	3.53	2.99	1.86	2.64	.58	.43	20.00
October	.71	3.58	3.39	1.56	3.10	1.41	1.97	2.28	2.65	3.52	24.17
November	2.83	2.23	0.96	2.01	4.21	2.38	1.59	2.87	3.95	6.13	29.16
December	1.09	.75	0.32	4.10	3.76	1.72	2.24	3.03	1.49	2.11	20.61
TOTALS	28.28	28.77	20.69	21.40	25.46	24.86	24.32	24.06	26.44	26.04	250.62

1931 Water tower 95 high 120' S.W.

1937 Water tower 95 high 850' S.W. Pumping station 20' high 45'

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			Burton	1/2 m	W.	Stapenhill	3/4 m

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

Station No. T.F. 2359

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## RAINFALL at Burton Reservoir

County of Staffordshire

Observer

J. G. Dixon Esq., C.E. <sup>C.B.E.</sup>

River Basin Trent Left Branch 4

P. A. Robertson Esq., C.E. (1744)

Type of Gauge M. O. S. rain gauge

Annual Average 25.1 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. 8

File No. 226645/35

Diameter	5"			101	089						
Height	1' 0"				1						
Altitude	309'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	2.90	2.79	3.53	2.37	1.68	2.03	1.67	1.39	1.08	.73	23.17
February	2.59	.88	.64	1.78	2.14	4.19	2.10	1.17	.56	4.06	20.11
March	2.88	2.35	83	.10	.76	.79	5.31	.87	1.64	.78	16.31
April	1.62	1.14	.74	1.90	1.31	1.12	1.75	1.62	2.11	1.94	15.05
May	2.11	3.73	3.16	1.01	2.19	1.57	1.52	1.57	1.97	1.15	19.98
June	1.25	.05	1.90	1.76	3.05	2.67	1.29	2.32	.12	.96	15.37
July	4.03	1.75	.85	2.86	2.49	1.31	2.51	1.56	2.51	1.56	21.43
August	4.48	3.01	2.59	3.15	1.77	3.93	.60	4.17	1.69	2.51	27.90
September	.25	1.05	1.93	2.70	2.00	3.52	1.76	2.12	1.06	3.34	19.73
October	3.00	2.05	1.76	2.26	3.39	.95	.28	2.10	4.08	.79	20.66
November	3.00	1.36	1.49	3.63	.26	4.42	1.88	1.33	3.03	3.59	23.99
December	.91	2.31	.94	1.49	1.79	2.31	2.13	3.14	1.62	1.25	17.89
TOTALS	29.02	22.47	20.36	25.01	22.83	28.81	22.80	26.16	21.47	22.66	241.59
	D	D	D	D	D	D	D	D	D	D	D

1941 Water Tower 95' high 950' S.W. Pumping Stn. 20' high 45' S.W.

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
1941			Burton	1/2 m.	N.	Blydenhale	3/4 m. S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2359

Fr. 15

## RAINFALL at Burton Reservoir (W.S. Hill P.S.)

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County of Staffordshire

Observer R.D. Robertson Esq., C.E.

River Basin Trent Left Branch 4

Type of Gauge M.R. N.H.

Annual Average 25.1 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 226665/23

Diameter ...	5"			101	089							
Height ...	11' 0"					1						12"
Altitude ...	3091					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	2.20	2.01	.98	.86	1.96	3.40	1.28	2.06	3.07	5.61	23.43	
February ...	2.50	.54	1.54	2.26	2.07	.72	1.92	3.54	.26	1.78	17.13	
March ...	3.65	2.12	1.11	1.85	2.60	1.36	2.07	1.55	1.79	1.58	19.58	
April ...	1.56	2.11	2.46	.53	1.19	.86	.14	.61	2.34	1.06	12.86	
May ...	2.66	3.06	1.97	2.42	3.10	.69	.83	1.75	.84	1.56	18.35	
June ...	.84	2.49	2.67	2.43	3.04	2.93	1.42	4.28	.73	3.60	24.43	
July ...	.61	.94	2.45	2.25	.76	2.41	4.33	4.46	1.79	3.22	23.22	
August ...	5.82	1.36	2.56	4.86	.64	6.01	2.39	1.46	.56	3.77	28.33	
September ...	1.58	1.04	2.25	1.96	1.41	1.85	5.40	2.65	.06	4.57	22.77	
October ...	.72	2.82	2.13	3.41	1.81	1.22	1.27	2.41	2.33	5.42	23.54	
November ...	5.20	1.36	1.64	4.44	2.19	.76	1.81	1.98	3.20	3.26	25.84	
December ...	1.94	2.65	1.18	3.04	1.81	2.87	1.47	2.94	3.47	2.71	24.08	
TOTALS ...	29.28	22.50	22.91	30.31	22.38	24.08	24.33	29.69	19.94	38.14	263.56	
	D	D	D	D	D	D	D	D	D	D		

July 1958 J.B.O.K. Took at junction of ditch & stream. Cupboard 20° 15' NE. E., Trees 25° 25' SW. Ditch of 12' from NE-SW 20 fm. 3'. Net rate shown 50° SSE.  
Informed by W.H. G. re issue 16/59.

Rejected

Annual Average 35.75 in. based on 35 years obs. within 1911-57. ± 1 in. low. Period of average 1916-1950 5

Position of Station on Ordnance One-Inch map : No. of Map 120 National Grid Reference 5K/43/364227

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

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
	e1919 ✓	✓	✓	✓	✓