

2933

RAINFALL AT Bilton. The Lancet outfall Sewage Works

Lat.

Lon.

County of Staffordshire

British Association pattern Rain Gauge, by Stanley
Smythe & Son
Tent R. - 3.Observer J.P. Wakefield Esq. C.B.
Vincent Worrell Esq.

Diameter ..					5						
Height					0 9					1. 0	
Altitude ..					406 ft				419	422 ft	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..					2.37	.78	3.55	1.22	.98	1.08	
February ..					3.37	.61	2.03	1.33	1.21	.58	
March					1.47	2.95	1.10	1.12	3.16	2.29	
April					1.19	1.89	1.54	1.87	2.38	1.68	
May					2.29	.48	2.72	3.99	2.65	1.38	
June36	2.98	2.48	2.67	2.39	3.28	
July					1.93	1.85	.82	2.22	2.15	3.27	
August					2.20	4.63	1.21	2.78	4.68	1.81	
September..					1.96	1.73	1.27	.96	1.90	2.35	
October....					.48	1.37	4.97	5.39	2.50	3.48	
November..					1.39	2.40	2.94	2.66	1.70	.83	
December ..					1.59	.76	1.78	2.60	1.98	3.96	
TOTALS ..					20.60	22.43	26.41	28.81	27.68	25.99	

D D D D D

St Mary's Church 1076 yards SW

Bilton Station 1366 . S.W.

House 15' 3" 54 " E

1908 May 2nd Gauge moved 300 yards W

St Mary's Church 1/2 Mile SW

Bilton Station 3/4 " SW

Engine No 25 ft high 60 ft W

1909 June 1st Gauge moved 400 yards N

St Leonard's Church 1 mile NE

B

RAINFALL at Bilston The Hunt OutfallCounty of Staffordshire^{Major}
Observer Vincent J. Turner Esq R.R.River Basin Trent - Right Bank Tributaries 3E. Willow Esq C.E. 1919Sexton Rain Gauge, by
Snowdon

Diameter ...	5				8					
Height	1	0								
Altitude ...	422	N								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	2.02	.77	3.85	4.00	.90	2.67	.84	1.84	1.83	2.81
February ...	3.02	1.59	1.23	.89	2.00	3.53	2.85	1.05	1.02	2.27
March53	1.68	3.92	6.19	2.05	.62	2.78	2.39	1.45	4.99
April	1.76	.95	.27	3.80	.76	1.22	1.24	1.08	3.44	1.78
May	1.55	.67	2.31	1.98	1.17	2.44	2.16	2.29	3.01	1.09
June.....	1.23	2.06	5.60	1.51	2.53	.98	1.50	2.08	.43	1.26
July	2.74	.27	3.11	1.45	2.28	6.96	1.88	1.80	1.79	3.33
August.....	4.41	1.94	6.58	1.44	1.74	1.63	2.80	5.28	2.92	3.29
September ..	.58	1.53	.96	1.32	1.08	.51	1.04	1.94	8.87	2.03
October ...	2.74	1.79	2.72	4.84	1.59	1.97	4.23	3.46	1.31	2.96
November ..	3.87	2.44	2.26	2.10	3.05	2.43	2.88	1.64	2.50	1.62
December...	5.09	5.14	3.28	1.22	5.73	5.06	2.22	.67	3.18	3.76
TOTALS ...	29.64	20.83	36.09	29.74	24.88	30.02	26.46	25.54	31.75	31.19

1912 Engine house 20 ft high 50 ft SW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52° 34'.5	2.3.70	Bilston grfR	1270 1000 yds	SW	St Leonard's Snowdon	1000 yds SW	SW

RAINFALL at Bulston (The Lunt outfall)

County of Staffs. Observer Edgar Willan Esq. M.C.S.

River Basin S - Trent R. A. F. B. Sidwick Sig. C.E.

Snowdon Rain Gauge, by _____ Reng & Son, Birston

Diameter	8	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
Height	1.0											
Altitude	423											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January	2.86	3.49	3.56	1.86	2.58	2.13	2.62	2.77	4.57	1.50	5.33	
February	1.20	34	2.99	4.55	56	2.89	1.89	1.99	2.35	.36	.55	
March	2.23	1.29	1.92	1.56	1.41	(1.11)	.70	2.16	1.90	.21	3.03	
April	5.19	1.37	2.33	2.28	2.44	1.97	1.85	1.62	1.05	.65	2.48	
May	2.88	1.58	.86	1.63	1.32	3.44	3.51	2.11	.30	2.10	2.21	
June	2.11	.56	.85	.39	1.93	.35	1.38	4.30	2.46	1.75	1.34	
July	2.99	.42	5.17	3.34	3.19	3.22	2.96	5.70	1.29	2.04	4.80	
August	1.89	3.79	4.14	2.01	2.73	2.70	2.06	4.04	2.43	2.32	2.97	
September	2.22	1.14	2.56	2.43	3.12	3.71	.82	4.25	.68	.70	3.30	
October	4.16	2.04	.37	3.35	3.80	3.64	2.24	1.77	4.65	3.95	2.48	
November	.40	1.51	.94	1.94	1.83	1.60	4.93	3.51	4.19	6.61	3.26	
December	2.97	1.68	3.57	3.09	2.83	2.33	.50	2.22	1.99	5.42	2.96	
TOTALS.	32.70	19.11	29.26	28.43	30.78	(29.09)	25.46	36.47	27.86	27.61	34.71	

1871. Engine House 20 ft high 50 yds S.W.

1925 moved in March 30 yards W.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series			No. of Map	Reference N°.		
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
July 1902	52° 34' 52" N	2° 32' 30" E	Bilston	1000 yds. W.	St. Leonard, St. Mary's	1000 yds. S 70° 45' W.

RAINFALL at Bilston (The Latest Rainfall)

County of Staffordshire Observer A.F.B. Sidwick Esq., C.E.

River Basin Trent - Right Banktributaries

Type of Gauge N.O.

Annual Average 27.3 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. 3.

530433/28

Diameter	8	Height	10	Altitude	410	Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.67	1.87	1.77	2.74	1.86	2.91	3.07	3.17	5.58	2.81							
February	2.34	1.18	2.63	3.39	2.50	2.54	3.57	1.60	1.99	2.29							
March	1.09	1.37	3.02	2.28	1.72	1.77	2.51	1.56	1.51	1.90							
April	3.79	3.52	0.69	2.37	3.40	2.24	2.53	1.20	1.74	3.56							
May	3.85	5.90	1.62	1.07	1.11	1.95	2.44	1.80	1.17	2.60							
June	4.34	1.85	2.72	1.07	2.99	3.59	1.12	1.56	1.49	1.78							
July	3.37	2.97	1.77	1.89	1.37	6.83	2.61	3.32	4.90	2.66							
August	5.09	2.00	0.66	2.02	1.90	1.49	1.86	3.40	3.32	1.34							
September	2.39	2.32	0.67	1.79	4.35	2.93	2.65	2.02	1.25	1.11							
October	1.09	4.52	4.62	1.55	3.61	1.83	2.28	2.46	3.66	3.11							
November	3.58	2.23	0.73	2.11	5.48	2.89	1.62	3.36	5.18	6.01							
December	9.5	1.78	0.45	4.19	3.03	2.53	2.24	3.38	1.68	2.02							
TOTALS	32.35	28.81	21.35	22.47	30.32	31.50	27.50	25.83	32.46	29.19							
	D	D	D	D	D	D	D	D	D	D							

1931. Engine 20' high 40' N. House & buildings - N.

1940. Jam. point. cold.

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	Direction
1931.			Bilston	1/2 m	W.	St. Leonards	1/2 m	W.

Station No. 2333

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RAINFALL at Bilton (The Lunt Outfall)

County of Staffordshire Observer A. J. B. Sidwick Esq. B.C.

River Basin Trent - Right Bank 3 Works Manager J. A. G. S.

Type of Gauge M. O. Standard.

Annual Average 27.3 in. based on 12 years obs. unweighted. Period of average 1881 - 1915. Ref S

File No. 830433/28

Diameter	8"		094	136						
Height	1' 0"			1						
Altitude	419'			41		410		420	410	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
	Means									
January	3.19	3.26	5.10	2.19	2.81	2.20	1.74	4.23	1.47	.58
February	1.96	.82	1.55	1.89	1.96	2.66	1.08	1.25	.71	4.04
March	2.84	1.64	.79	.43	.82	.81	(4.86)	1.06	1.60	1.09
April	1.65	1.59	1.17	1.51	1.02	1.76	2.24	1.90	2.18	2.02
May	3.24	3.84	2.86	.65	3.31	2.99	2.55	2.03	3.07	1.59
June	.88	.84	1.17	1.68	2.98	3.09	1.88	3.33	.31	1.51
July	3.03	1.88	1.23	2.47	2.99	1.81	4.83	1.89	2.50	2.31
August	3.82	2.22	1.86	1.66	2.56	5.80	1.30	4.63	1.70	3.10
September	.63	1.36	1.91	3.10	1.51	3.62	1.37	2.67	1.28	3.78
October	2.33	2.43	1.71	2.77	3.52	.77	.39	2.35	5.83	.72
November	2.90	1.53	1.72	4.07	.90	5.45	1.62	1.60	2.45	3.83
December	1.59	2.66	1.35	1.55	2.83	3.05	2.27	4.44	1.32	1.58
TOTALS	28.05	24.07	22.42	24.03	24.81	32.51	34.01	26.13	24.42	26.15
	D	D	D	D	D	D	D	D	D	D

1946 mp high Engine House 20 high 15 yds N.W. Earth Bank 8 high 15 yds S.W.
Screen House 17' high 8 yds N.W. 1000 ft

High readings due to error in reading the meniscus.

and in
reading min

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
1941			Bilton.	1/2 m.	W.	St. Leonards.	1/2 m.	W.W.W.

Station No. 2333

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RAINFALL at Bilston (The Lant Buffall)

County of Staffordshire Observer Works Manager

River Basin Trent-Rif-Bank-3

Type of Gauge Standard M.O. Mk II

Annual Average 27.3 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. 5
 " 27.72 " " 28 " " 1925-57 " " 1916 - 1950 S
 File No. 830433/28

Diameter ...	8"			094	436	5"					
Height ...	11'				1	1' 0"					
Altitude ...	410'				51	410'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.31	2.32	1.24	1.48		3.12	1.32	1.94	3.16	5.95	
February	2.27	47	1.71	3.90		3.36	2.86	4.04	2.24	2.04	
March	4.56	1.75	1.18	2.50		1.11	2.57	1.25	2.37	1.88	
April	2.19	1.88	3.09	.57		1.65	.15	.92	2.06	1.04	
May	2.97	3.69	1.73	3.20		62	1.36	2.17	.47	1.28	
June	.98	2.16	2.99	4.17		1.43	1.12	3.92	1.37	2.33	
July	.63	1.27	4.06	3.93		2.33	4.61	4.31	1.92	3.66	
August	5.63	3.29	2.88	7.33		5.03	3.61	1.99	2.93	2.93	
September	2.24	1.42	3.28	2.24	1.76	2.72	4.02	3.82	.16	5.43	
October	1.07	3.95	2.58	3.82	1.80	1.70	1.71	2.39	3.04	4.44	
November	7.05	(2.50)	2.13	6.40	2.68	.79	2.15	1.90	3.90	4.05	
December	2.53	(3.00)	1.35	3.10	1.94	3.11	1.65	3.02	4.76	2.22	
TOTALS ...	34.43	27.70	28.22	41.64	Inc.	23.97	27.13	31.67	26.38	37.25	
	D	d	D	NP	NP	D	D	D	D	D	

1954. n.p. Loo Reg.
 1955. " R. Jan - Aug. New g purchased 8/55.
 1956 record reasonable after w. adjustment - point

00034

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SO(32) 963958

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	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
	✓	✓	✓	✓	✓ n.p. 46