

2333

RAINFALL AT Bilton The Great outfall Sewage Works

Lat. ....

Lon. ....

County of StaffordshireBritish Association pattern Rain Gauge, by StantonObserver J. P. St. Charles Esq. C.E.  
Vincent Thomas Esq.Inch 8 - 3

Diameter ..					5						
Height ....					0 9					1.0	
Altitude ..					4065				419	422	8
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	
June .....					.36	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	

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St Mary's Church <sup>1073</sup> 1076 yards S WBilton Gas Station <sup>1366</sup> 1366 " S.W.House <sup>15' 3"</sup> 15' 3" <sup>54</sup> 54 " E1908 May 2<sup>nd</sup> Gauge moved 330 yards WSt Mary's Church <sup>1/2</sup> 1/2 mile S WBilton Station <sup>3/4</sup> 3/4 " S W

Engine No 25 ft high 60 ft W

1909 Jan 1<sup>st</sup> Gauge moved 400 yards N

St Leonard's Church 1 mile N E

B

RAINFALL at Bilton The Lust OutfallCounty of StaffordshireMajor Observer Vincent Turner Esq R.R.River Basin Trent - Right Bank Tributaries 3E. Willows Esq C.E. 1919Sydney  
London

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

Diameter ...	5				8						
Height .....	10										
Altitude ...	422K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.02	.77	3.85	4.00	.90	2.67	.84	1.86	1.83	2.81	
February ...	3.02	1.59	1.23	.89	2.00	3.53	2.85	1.05	1.02	2.27	
March .....	.53	1.68	3.92	5.19	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 .....	1.33	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	
	D	D	D	D	D	D	D	D	D	D	

1912 Engine house 20 ft high 70 ft SW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	<sup>50</sup> 52.34.5	2.3.30	Bilton GWR	<sup>1070</sup> 1000 yds	SW	St Leonard's 900 yds	1000 yds 870	SW SW

RAINFALL at Bilsen (The Lunt outfall)County of Hants.Observer Edgar Willan, Esq. C.E.River Basin 3 - Trent R.A. F. B. Sidwick Esq. C.E.Snodden Rain Gauge, byPenaf. & Surr. Bilsen

(1927) N.O.

Diameter ...	8										
Height .....	1.0										
Altitude ...	423										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	2.86	3.49	3.56	1.86	2.58	2.13	2.62	2.77	4.57	1.50	5.33
February ...	1.30	3.4	2.99	4.55	5.6	2.89	1.89	1.99	2.35	3.6	5.5
March .....	2.23	1.29	1.92	1.56	1.41	(1.11)	.70	2.16	1.90	2.1	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	4.32	3.44	3.51	2.11	.30	2.10	2.21
June .....	3.11	.56	.85	.39	1.93	.35	1.38	4.30	2.46	1.75	1.34
July .....	3.99	.42	5.17	3.34	3.19	3.22	2.96	5.73	1.29	2.04	4.80
August .....	1.39	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	1.85	1.60	4.93	3.51	4.19	6.61	3.26
December...	2.97	1.58	3.57	3.09	2.85	2.33	.50	2.22	1.99	3.42	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

1921. Engine House 20 ft high 50 yds SW.

1925 moved in March 30 yds W.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
<u>Trent R.</u>	<u>52°34'52.5"</u>	<u>0°50'</u>	<u>Bilsen</u>	<u>1000 yds.</u>	<u>W.</u>	<u>St. Mary's</u>	<u>1000 yds.</u>	<u>SW.</u>

RAINFALL at Bilston (The Hunt Outfall)County of StaffordshireObserver A. F. B. Sidwick Esq., C.E.River Basin Trent - Right Banktribe 3Type 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	1.8	2.63	3.9	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	2.30	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	2.11	
November	3.58	2.23	0.73	2.11	5.48	2.89	1.62	3.36	5.18	6.01	
December	1.95	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	32.47	29.19	

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

1940. Jan. part. cold

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

Station No. 2333

RAINFALL at Bilston (The Lunt Outfall)

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County of Staffordshire Observer A. B. Fiddick, Esq. B.E.

River Basin Trent - Right Bank - 3 Works Manager 1946?

Type of Gauge M.D. Standard

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

File No. 830433/28

Diameter	8"			094	436						
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	2.94	1.64	.79	.43	.82	.81	(4.86)	1.06	1.60	1.09	
April	1.65	1.59	1.17	1.57	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	.98	.84	1.17	1.68	2.98	3.39	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	3.92	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	2.57	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	5.90	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	26.81	32.51	26.13	31.18	24.42	26.15	
	D	D	D	D	D	D	D	D	D	D	

1946 np high Engine House 20' high 15 yds N.W. Earth Bank 8' high 15 yds S.W.  
 Screen House 11' high 8 yds N.W.  
 High readings due to error in reading the meniscus.

and for  
 reading units

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			Bilston.	1/2 m.	W.	St. Leonards.	1/2 m.	W.N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2333

RAINFALL at

Bilston (The Lint Ruffell)

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County of

Staffordshire

Observer

Works Manager

River Basin

Lent Right Bank - 3

Type of Gauge

London M.O. Mk IIAnnual Average 27.3 in. based on 12 years obs. un-weighted. Period of average1881-1915 Ref. 5" " 27.72 " " 28 " " 1925-57 " " "File No. 2330433/28

Diameter ...	8"			094	436	5"						
Height ...	1' 1'				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		.36	2.86	4.04	.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 ...	4.05	(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. NP	23.97	27.13	31.67	26.38	37.25		
	D	D	D	NP	NP	D	D	D	D	D		

1954. n.p. low sig.  
 1955. N.R. Jan - Aug. New g. purchased 8/55.  
 1956 record reasonable after w. bad adjustment - print

00034

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 50(32) 963958

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