

RAINFALL AT

Chesterfield Sewage Works

Lat.

Lon.

County of Derbyshire

Rain Gauge, by

Observer,

Mr W. Tomlinson

5m-8.

Diameter ..							5				
Height							2. 0				
Altitude ..									222		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							3.26	.75	1.00	1.34	
February ..							2.49	1.81	2.05	.42	
March							1.54	1.77	2.65	2.88	
April .....							.37	1.49	1.72	1.14	
May							1.71	2.84	1.79	1.30	
June							2.01	3.33	1.50	2.62	
July .....							.68	1.79	2.11	2.59	
August							1.26	1.79	2.72	2.40	
September..							.68	.33	1.48	1.89	
October....							6.09	4.58	.88	3.09	
November..							2.38	1.84	1.33	.57	
December ..							1.65	1.97	1.72	5.32	
TOTALS ..							24.12	24.29	20.95	25.56	

1906 Chesterfield Church $\frac{3}{4}$ mile S W
 8 CR $\frac{1}{4}$. S E
 direction 20 ft high 90 yards S

RAINFALL at

Chesterfield Sewage Works

County of DerbyshireObserver Mr W. TomlinsonRiver Basin Onase. Don &

Rain Gauge, by

Diameter ...	5										
Height	2.0								5.0		
Altitude ...	222										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.99	1.03	3.79	3.72	1.16	2.67	.94	2.12	2.16	3.05	827
February ...	3.09	1.52	1.31	1.10	1.71	3.42	3.48	.47	1.69	2.42	806
March .....	.51	.81	3.36	3.73	2.28	.60	3.69	2.06	.85	3.79	1039
April	2.05	.89	.31	2.98	1.00	.92	.85	1.18	.96	1.36	435
May	1.79	1.51	2.67	2.14	1.14	1.06	2.03	1.60	2.34	1.16	713
June	1.66	1.76	3.47	.41	1.49	.82	1.90	1.52	.43	.55	440
July	1.74	.03	4.81	1.20	2.57	3.38	1.92	.87	2.94	3.09	872
August	3.73	1.42	5.03	1.83	1.28	2.12	1.20	4.07	2.20	2.86	1003
September ..	.14	1.48	1.19	2.11	1.21	.65	1.05	.34	5.19	1.74	832
October ...	2.07	1.75	2.89	3.07	2.24	1.09	2.83	2.86	.96	2.32	897
November ..	3.63	2.57	2.33	2.83	3.04	2.40	3.52	1.08	1.43	1.58	761
December ...	4.63	5.31	2.76	1.30	5.70	6.46	2.48	1.45	3.65	4.40	1198
TOTALS ...	27.03	20.08	33.92	26.42	24.82	25.59	25.89	17.62	24.70	28.02	9823

1912 Engine Room 14 ft high 50 yds W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Central	1/2 m	S	Chesterfield	3/4 m	S.W.

RAINFALL at Chesterfield Sewage WorksCounty of DerbyshireObserver Mr. W. TomlinsonRiver Basin Cuse-Don SD. Thornehill

(1925) Snowdon Rain Gauge, by _____

Diameter ...	5"											
Height	2 0	2 6	2 0							1 0		
Altitude ...	222											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	3.56	2.94	4.10	1.21	2.00	2.52	3.30	1.41	4.57	1.33	4.47	3141
February ...	1.99	.25	4.02	4.97	.78	3.66	1.80	2.60	2.89	.65	50	2411
March	1.49	1.16	1.41	1.95	.84	.81	1.80	2.78	2.26	.10	2.54	1614
April	4.97	1.00	3.08	2.09	2.00	2.94	1.70	1.97	.77	1.20	2.65	2437
May	3.36	1.19	.57	2.29	3.24	3.22	2.70	.79	.70	1.75	.90	2061
June	2.26	.26	.68	.41	2.28	.07	2.10	3.30	2.30	1.02	.83	1551
July	3.73	.45	3.46	3.69	3.27	.96	1.80	1.99	.65	1.40	5.70	2660
August .....	.57	3.68	6.74	3.57	2.12	2.48	2.70	3.27	2.23	1.09	2.07	3052
September...	1.08	.46	2.18	2.97	2.04	2.65	1.00	4.16	.21	1.25	3.78	2178
October	1.57	2.77	.76	1.80	3.82	2.76	2.20	1.62	4.08	3.58	2.40	2736
November...	.99	1.48	.98	2.78	1.43	1.76	4.10	2.02	3.53	5.81	3.21	2809
December...	2.50	2.42	3.30	2.97	2.21	2.03	1.30	2.31	2.26	5.75	2.46	2951
TOTALS...	28.07	18.06	31.28	30.70	26.03	25.86	25.00	28.22	26.45	24.93	31.41	24601
	D	D	D	D	D	D	D	D	D	D	D	D

1921. Engine House 14ft high 80 yds. West.

1922. Storm Tanks at ground level 6' SE & NE.

envy house No 2716

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
1928			St. Gerdard	1/2 mi	S	Chesterfield	3/4 mi	SW
			West Whittington	1/2 mi	NE	Old Whittington	1/2 mi	NW

RAINFALL at Chesterfield (Sewage Works)County of DerbyshireObserver S. Thornhill, Esq.River Basin Ouse - Don 8The ManagerType of Gauge Longton (July 1933 M.O.)Annual Average 24.9 in. based on 22 years obs. un-weighted. Period of average 1851-1915 Ref. S

663797/26.

Diameter	5											
Height	1	0										
Altitude	223			225			225					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	1.97	1.36	(2.05)	2.37	1.79	3.49	5.02	2.90	5.81	2.69	2.995	29.95
February	2.60	.33	(3.67)	.96	3.30	3.05	4.06	.76	1.28	2.30	2.231	22.31
March	.15	1.00	(2.66)	2.95	.88	2.17	2.80	.18	1.86	1.50	1.665	16.65
April	3.28	2.12	(1.97)	2.29	2.48	1.64	1.94	.09	1.26	2.07	1.864	18.64
May	3.19	5.15	(1.96)	1.28	.46	.68	3.01	2.03	1.37	1.40	2.103	21.03
June	2.88	.68	(1.82)	.49	3.52	3.50	1.13	1.62	1.54	0.68	1.786	17.86
July	3.00	3.28	1.23	1.38	.68	3.89	2.51	4.66	5.03	2.83	2.899	28.99
August	4.91	1.63	.43	1.06	1.61	1.15	.86	2.27	2.31	0.31	1.764	17.64
September	3.39	1.60	1.34	2.39	3.91	2.20	1.55	1.49	1.36	1.08	2.031	20.31
October	.47	2.64	5.56	1.81	4.35	3.00	3.05	3.19	2.74	3.91	3.122	31.22
November	3.13	1.39	1.48	2.28	5.40	2.65	1.82	3.01	3.47	5.98	3.111	31.11
December	.92	.94	.31	5.72	3.62	2.67	4.04	3.45	1.70	1.55	2.492	24.92
TOTALS	29.59	22.12	(23.18)	24.98	32.00	32.09	31.79	25.65	29.73	26.30	2.8008	280.08
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

II/33. Gauge found to be leaking, new gauge brought 29/6/33. Comparative readings both made.
Jan.-June estimated by proportion with Sinauer Rec. (Obs. informed).
New gauge set up 14 July 15 gts. N.

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.			New Whittington	2 mi	N.E.	Old Whittington	2 mi	N.W.

Station No. 2718

RAINFALL at Chesterfield (Sewage Works)

41

County of Derbyshire

Observer S. Thorpe Esq.

River Basin Ouse - Don &

The Manager.

Type of Gauge G.M.O.

Annual Average 24.9 in. based on 22 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 663797/26

Diameter	5"			0.83	821						
Height	1' 0"				1						
Altitude	225'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.84	2.53	3.94	3.21	2.33	2.99	2.89	6.26	1.10	1.41	3050
February	2.40	.93	1.40	1.89	2.16	2.69	2.26	1.81	1.26	5.73	2253
March	4.27	1.07	.79	.34	.56	.72	4.97	.89	1.02	1.48	1611
April	1.50	1.17	1.25	2.50	1.44	1.04	2.64	1.58	2.06	2.33	1751
May	2.14	1.14	2.43	2.57	1.08	1.84	2.52	1.85	2.01	1.66	2224
June	.18	.92	1.13	2.08	2.52	2.90	1.86	2.73	.81	1.05	1618
July	5.11	1.55	1.20	2.37	1.78	2.77	2.16	.97	4.91	1.51	2433
August	2.33	2.22	1.77	3.45	1.83	5.83	.64	4.34 1.54 1.54	1.52	4.99	2892
September	.26	1.93	2.28	4.56	.99	3.24	1.51	1.54 1.14	1.14	3.02	2047
October	2.93	1.89	1.75	3.44	4.28	.90	.41	1.65	3.42	.86	2153
November	3.29	1.49	2.16	4.42	.28	5.60	2.41	1.15	4.53	4.31	2964
December	.89	1.81	.97	2.33	1.48	2.91	2.36	3.18	3.49	1.67	2109
TOTALS	29.14 D	21.65 D	21.07 D	33.16 D	20.73 D	33.43 D	26.63 D	27.95 D	27.27 D	30.02 D	27105

1941. Oct. 9-10. Nov. 20. estd.

1944. Bio aeration tanks. ground level 2 ft. E.

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.
1946			Sleepbridge 1/2 Birmingham	1/4 m	SE	Old Whittington	1/4 m	NW

BRITISH RAINFALL ORGANIZATION

Station No. 2718RAINFALL at Chatterfield (Sewage Works)

51

County of Derbyshire Observer J. E. ManganRiver Basin Dove-Don-8Type of Gauge M.O.Annual Average 26.9 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S" " 29.77 " " 2 " " 1949-57 " " 1916-50 File No. 663797/26

Diameter ...	5"			083	821						
Height ...	1' 6"				1						
Altitude ...	225'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total 60
January ...	2.39	2.87	.77	2.62	2.36	5.26	1.56	3.09	3.07	5.40	29.38
February ...	3.94	.54	2.33	2.68	2.56	1.53	3.10	4.45	.14	2.91	24.18
March ...	3.62	1.79	1.82	2.40	2.79	.72	1.75	1.78	1.62	1.82	20.11
April ...	1.11	1.42	2.44	.28	.68	2.27	.16	.75	3.82	1.13	14.06
May ...	3.29	2.31	1.66	3.20	3.21	.55	1.22	2.41	1.24	1.28	20.37
June ...	.90	1.95	2.25	2.67	3.01	3.21	1.36	6.26	.84	1.14	23.59
July ...	.68	2.03	2.71	1.84	.75	4.11	4.07	5.76	1.50	3.33	26.78
August ...	4.64	2.02	2.40	4.66	.65	6.31	4.51	3.23	.79	4.02	33.23
September ...	2.24	2.44	1.73	2.52	.72	3.56	5.76	2.49	.03	3.90	25.39
October ...	.95	4.24	2.17	2.92	2.20	1.69	1.56	2.30	2.40	6.02	26.45
November ...	7.26	1.64	1.25	5.85	2.97	.80	3.44	.71	4.03	4.50	32.35
December ...	2.45	2.20	1.13	3.11	3.21	3.77	2.83	3.63	4.16	3.81	30.30
TOTALS ...	33.47	25.45	22.66	34.75	25.01	33.77	31.32	36.86	23.64	39.26	306.19
	D	D	D	D	D	D	D	D	D	D	

X Sp of average no longer applicablePosition of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SK43392/45

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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
	✓ <u>1910-19</u>	20-28, 27-30 ✓ <u>1920-25</u>	✓ <u>1931-33</u>	✓ <u>1941-50</u>	✓ <u>1951-60</u>