

RAINFALL AT

Chesterfield Sewage Works

Lat.

Lon.

County of Derbyshire

Rain Gauge, by

Observer Mr. W. Tomlinson

Dm - 8.

Diameter ..							5			
Height ..							2. 0			
Altitude ..								222		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909 MEANS.
January ..							0.26	.75	1.00	1.34
February ..							2.49	1.81	2.05	.42
March							1.54	1.77	2.65	2.88
April37	1.49	1.72	1.14
May							1.71	2.84	1.79	1.30
June							2.01	3.33	1.50	2.62
July68	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	25.58

7 7 7

1906 Chesterfield Church ^{3/4} 1/2 mile S W
 8 C.R. ⁴ . S 5
 Destructor 20 ft high 90 yard ⁶ N

RAINFALL at Chesterfield Sewage Works

County of Derbyshire

Observer Mr W Tomlinson

River Basin Ouse-Don S

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	1.47	1.69	2.42	806
March51	.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	.85	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	2.06	1003
September14	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	19.62	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 mi	S	Chesterfield	3/4 mi	S 15°

RAINFALL at Chesterfield Sewage Works

County of Derbyshire

Observer Mr. W. Tomlinson

River Basin Cuse - Dow S

D. J. Ratcliffe

(1925) Standard 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	M.EAN.
January	3.56	2.94	4.10	1.21	2.00	2.52	3.30	1.61	+ .57	1.33	4.47
February	1.99	.25	4.02	4.97	.78	3.66	1.80	2.60	2.89	.65	.50
March	1.49	1.16	1.41	1.95	.84	.81	1.80	2.78	2.26	.10	2.54
April	4.97	1.00	3.08	2.09	2.00	2.94	1.70	1.97	.77	1.20	2.65
May	3.36	1.19	.57	2.29	3.24	3.22	2.70	.79	.70	1.75	.90
June	2.26	.26	.68	.41	2.28	.07	2.10	3.30	2.30	1.02	.93
July	3.73	.45	3.46	3.69	3.27	.96	1.30	1.99	.65	1.40	5.70
August	.57	3.68	6.74	3.57	2.12	2.48	2.70	3.27	2.23	1.09	2.07
September	1.08	.46	2.18	2.97	2.04	2.65	1.00	4.16	.21	1.25	3.78
October	1.57	2.77	.76	1.80	3.82	2.76	2.20	1.62	4.08	3.58	2.40
November	.99	1.48	.98	2.78	1.43	1.76	4.10	2.02	3.53	5.81	3.21
December	2.50	2.42	3.30	2.97	2.21	2.03	1.30	2.31	2.26	5.75	2.46
TOTALS...	28.07	18.06	31.28	30.70	26.03	25.86	(25.00)	28.22	26.45	24.93	31.41
	D	D	D	D	D	D	D	D	D	D	D

1921 Engine house 14 ft. R.L. 80 yrs. West.

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

encl. letter Ref 2716

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1928			Gt Central New Whittington	1/2 mi S 1/2 mi NE		Chesterfield Old Whittington	3/4 mi SW 1/2 mi NW	

RAINFALL at Chesterfield (Sewage Works)

County of Derbyshire

Observer S. Thornhill, Esq.

River Basin Ouse - Don 8

The Manager

Type of Gauge Marton (Aug 1922 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
January	1.97	1.36	(2.05)	2.37	1.79	3.49	5.02	2.90	5.81	2.69	20.95
February	2.60	.33	(3.67)	1.96	3.30	3.05	4.06	.76	1.28	2.30	22.31
March	.15	1.00	(2.66)	2.95	.88	2.17	2.80	.18	1.86	1.50	16.65
April	3.28	2.12	(1.97)	2.29	2.48	1.64	1.94	.09	1.26	2.07	18.64
May	3.19	5.15	(1.96)	1.28	.46	.68	3.01	2.03	1.37	1.40	21.01
June	2.88	.68	(1.82)	.49	3.52	3.50	1.13	1.62	1.54	0.68	17.86
July	3.00	3.28	1.23	1.38	.68	3.89	2.51	4.66	5.03	2.83	28.99
August	4.91	1.63	.43	1.06	1.61	1.15	.86	2.27	2.31	0.31	17.04
September	3.39	1.60	1.34	2.39	3.91	2.20	1.55	1.49	1.36	1.08	20.81
October	.47	2.64	5.56	1.81	4.35	3.00	3.05	3.19	2.74	3.91	31.22
November	3.13	1.39	1.48	2.28	5.40	2.65	1.82	3.01	3.47	5.98	36.11
December	.92	.94	.31	5.72	3.62	2.67	4.04	3.45	1.70	1.55	24.92
TOTALS	29.89	22.12?	(23.48)	24.98	32.00	32.09	31.79	25.65	29.73	26.30	280.03
D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.

7/33. Gauge found to be leaking; new gauge bought 29/6/33. Comparative readings left under.
 Jan-June estimated by proportion with January Res. Obsz. informed.
 new gauge set up 1st July 15 1933 N.

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

Station No. 2718

RAINFALL at Chesterfield (Sewage Works) ✓

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County of Derbyshire Observer S. Thorndill Esq.
 River Basin Derwent Don 8 The Manager
 Type of Gauge 4 in. 0.

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

File No. 663797/26

Diameter	5"		083	821							
Height	1' 0"				1						
Altitude	225'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means-Totals
January	3.84	2.53	3.94	3.21	2.33	2.99	2.89	6.26	1.10	1.41	3058
February	2.40	.93	1.40	1.89	2.16	2.69	2.26	1.81	1.26	5.73	2253
March	4.29	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	4.14	2.43	2.57	1.08	1.84	2.52	1.85	2.01	1.66	23.24
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	1.71	3.45	1.83	5.83	.64	4.34	1.52	4.99	2892
September	.26	1.93	2.28	4.56	.99	3.24	1.51	1.54	1.14	3.02	2047
October	2.93	1.89	1.75	3.44	4.28	.90	.41	1.65	3.42	1.86	2153
November	3.29	1.49	2.16	4.42	.28	5.60	2.41	1.15	4.83	4.31	2964
December	.89	1.81	.91	2.33	1.48	2.91	2.36	3.18	3.49	1.67	2109
TOTALS	29.14	21.65	21.07	33.16	20.73	33.43	26.63	27.95	27.27	30.02	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.
1946			Sheafbridge / Brimington	1/4 mi	SE	Old Whittington	3/4 mi NW

Station No. 2718

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RAINFALL at Chesterfield (Sewage Works)

County of Derbyshire

Observer The Manager

River Basin Ouse - Don - 8

Type of Gauge. M.O.

Annual Average ~~24.7~~^{*} in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 29.77 " " 1949-57 " " 1916-50
 File No. 663797/26

Diameter ...	5"	083 821									
Height ...	1' 0"	1									
Altitude ...	225'	51									
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means-Totals
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
June90	1.95	2.25	2.67	3.01	3.21	1.96	6.26	.84	1.14	23.59
July68	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
October95	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	2.87	.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	R	D	D	

~~X Do not average no longer applicable~~

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SN(43)39245

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 - Rejected		
Record D, or d	1910-19			1920-30	1931-40	1941-50
	V	20-28, 27-30	V	V	V	V
	V	V	V	V	V	V