

RAINFALL AT Rochdale Spring Mill Whitworth

Lat......

Lam.

County of

Lancashire

Irwell 3

Rain Gauge, by

Observer

J. R. Ashworth Esq

Diameter										8
Height										1.3
Altitude										771
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
January										MEANS.
February										2.39
March										4.38
April										3.83
May										3.06
June										2.36
July										1.17
August										5.35
September										7.84
October										4.09
November										4.70
December										2.91
TOTALS										57.23 33.72 42.98 47.17

RAINFALL AT

Rochdale Spring Mill Whitworth
Lancashire

Lat. 53° 38' 51"

Long. 2° 10' 20"

County of

Mersey - Irwell 3

Rain Gauge, by

Observer

J. R. Ashworth Esq
W. Tomlinson Esq

Diameter	8		8									
Height	1.3		1.7									
Altitude	777		720									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	7.28	4.18	5.79	1.59	4.98	3.93	2.84	2.25	4.70	8.33	4.589	
February	7.2	4.33	3.64	7.06	7.61	.26	1.84	3.73	4.34	1.93	3.156	
March	5.37	3.00	1.37	2.09	5.61	4.56	8.02	5.69	3.13	3.05	4.189	
April	1.68	2.24	1.92	.82	2.18	2.59	2.22	3.62	2.76	4.77	2.480	
May	3.69	4.50	5.38	2.98	4.04	1.13	.69	2.22	3.41	3.37	3.141	
June	3.79	1.79	4.44	3.48	3.74	3.41	3.16	4.90	3.29	1.07	2.307	
July	4.70	4.21	4.40	5.29	4.21	6.75	3.42	2.07	.99	2.72	3.876	
August	6.62	10.09	6.29	4.04	5.74	6.01	3.44	6.84	7.73	1.67	5.847	
September	2.16	4.90	6.21	6.00	.42	2.34	9.11	5.71	1.23	8.85	4.693	
October	5.82	7.11	7.62	5.11	5.19	4.93	5.93	2.98	4.76	4.37	5.372	
November	9.60	4.93	4.19	4.44	4.16	4.30	1.87	5.02	3.96	2.26	4.478	
December	7.31	10.74	4.15	5.55	5.50	4.50	6.67	8.15	5.70	3.66	5.535	
TOTALS	52.16	58.12	55.30	48.45	53.38	44.71	49.21	53.18	46.00	46.05	50.656	

RAINFALL AT Rochdale Spring Mill ~~Whitworth~~
 Lat. $53^{\circ} 38' 51''$ Lon. $2^{\circ} 11' 20''$ County of Lancashire South
 Rain Gauge, by W. F. Robinson Esq.

Iowell 3

Diameter ..	8										
Height ..	17										
Altitude ..	720										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	7.69	3.52	4.30	4.86	4.91	2.93	6.81	2.81	5.18	3.71	4.672
March ..	3.75	2.03	1.67	5.07	5.36	2.95	5.13	3.38	4.41	3.25	3.700
April ..	.89	4.71	3.06	6.17	3.06	4.79	4.98	5.01	4.06	3.88	4.060
May ..	3.52	3.66	2.90	2.52	3.85	4.04	2.49	2.63	2.30	4.86	3.277
June ..	1.86	1.24	3.76	4.87	2.78	1.21	4.17	4.18	4.31	3.32	3.170
July ..	5.21	2.41	1.39	2.33	2.38	3.63	2.23	9.94	2.55	2.09	3.516
August ..	3.15	2.67	3.19	5.50	2.00	3.54	3.10	3.52	6.09	8.81	4.157
September ..	6.64	3.27	3.87	7.30	6.03	5.35	5.71	5.94	4.93	4.00	5.304
October ..	2.16	1.40	2.58	6.03	1.29	3.29	1.91	1.55	5.28	3.99	2.948
November ..	7.70	4.31	5.57	11.46	3.93	4.53	6.74	5.64	2.32	8.52	6.272
December ..	5.10	7.21	3.44	4.45	5.11	4.56	5.73	4.48	3.99	2.23	4.630
TOTALS ..	54.66	43.42	40.43	63.73	44.65	42.68	56.93	54.70	49.64	59.17	51.001 56.4

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H.W.

Broadley Station
 1909 Corrected for wrong day

RAINFALL at Rochdale Spring Mill WhitworthCounty of South LancashireObserver W Tomlinson Esq F.H.Brentby F.R.S.River Basin Mersey. Inwell 3

Rain Gauge, by _____

o.g.

Diameter ...	8										
Height	1.7										
Altitude ...	720										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	8.35	2.53	5.81	5.90							
February ...	6.26	8.32	3.09	2.78							
March	1.44	3.39	8.15	7.57							
April	4.11	3.81	1.74	6.44							
May	3.73	2.90	3.89	5.21							
June	4.20	4.66	8.47	4.36							
July	6.52	.70	5.99	1.54							
August	9.17	3.57	9.52	2.91							
September ..	.51	5.41	2.76	2.41							
October ...	4.38	4.90	6.34	2.78							
November ...	7.17	6.73	6.41	8.38							
December ...	6.02	9.72	8.19	4.89							
TOTALS ...	61.86	56.64	69.36	55.17	NR.						
	7	7	7								

1913 Not printed

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Brookley	1/2 m	NW	Whitworth		

RAINFALL at Rochdale Spring Mill WhitworthCounty of South Lancashire

Observer

7 H Bruntby C.R.River Basin Mersey - Irwell 3Snowdon Rain Gauge, by Cassella

N. Gauge

Diameter ...				5							
Height				1.7							
Altitude ...				720							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS Totals
January ...				(5.88)	4.62	8.76	5.17	4.63	4.87	6.27	20.94
February ...				2.34	3.57	6.53	6.83	1.79	8.30	1.03	17.95
March				6.61	7.07	2.09	2.96	3.30	2.89	6.80	18.35
April				5.74	2.04	2.53	4.33	2.64	1.62	2.66	11.25
May				4.59	3.55	2.14	3.26	2.60	2.85	2.21	10.92
June.....				3.77	2.88	1.25	3.82	2.28	2.09	2.19	10.38
July				1.28	5.95	6.38	3.10	2.82	4.53	2.82	12.97
August				2.60	4.70	5.88	3.91	8.35	4.17	4.77	21.20
September ..				2.01	5.31	.84	3.55	3.34	14.96	2.87	24.72
October ...				2.34	3.29	2.00	10.32	11.32	5.82	2.88	29.84
November ..				6.94	7.47	2.94	4.42	6.38	3.50	4.78	19.08
December...				4.30	7.62	9.44	4.08	3.72	11.87	10.03	29.70
TOTALS ...				(48.46)	58.10	50.78	55.75	53.17	66.67	48.71	224.30

1913 within 5' 0" of old gauge
- Jan from old gauge.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Broadley	1/2 m	SE	Whitworth	1 m	NE

RAINFALL at Rochdale (Spring Mill Whitworth)

County of South Lancashire

Observer Rochdale Corp. W.W.

River Basin Mersey-Irwell-3

Type of Gauge.

Annual Average 51.5 in. based on 44 years obs., unweighted. Period of average 1881-1975 Ref. R 35

Ref. P-635

666987/26

Diameter	5.										
Height	1.0										
Altitude	720										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.29	7.16	3.16	4.85	2.33	3.63	5.01	6.90	6.59	3.02	5.1
February	6.93	2.23	4.48	.67	7.45	3.42	7.61	2.76	6.49	2.87	4.2
March	5.50	3.38	3.58	3.16	1.92	3.67	2.24	1.71	3.76	4.03	2.7
April	4.43	4.72	2.27	2.94	4.32	1.61	4.11	1.82	2.64	3.45	3.1
May	2.97	5.60	2.17	4.25	1.39	1.63	2.80	2.45	1.65	1.23	2.8
June	7.14	7.95	2.46	3.88	4.34	4.43	3.05	5.98	4.47	1.15	3.7
July	5.67	5.11	3.87	2.98	2.42	5.61	3.13	5.68	7.44	5.56	4.7
August	5.95	1.35	2.32	4.53	2.17	3.97	3.69	5.47	3.57	2.44	3.5
September	3.74	6.74	1.87	4.48	9.22	6.32	2.20	1.87	1.47	6.01	4.4
October	3.19	9.65	5.61	7.25	11.19	7.34	2.34	13.47	2.50	5.57	6.8
November	11.19	4.02	2.32	2.46	6.21	7.81	2.01	7.34	8.93	9.15	6.1
December	2.71	2.83	87	4.24	4.74	5.45	3.91	6.48	4.48	6.49	4.5
TOTALS	61.71	51.75	34.98	48.59	57.70	56.49	42.10	62.90	54.49	51.27	52.5

1940. Jan. part. estd.

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

Station No. 2912

RAINFALL at Rochdale (Spring Mill Whitworth) (+ A)*

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County of South Lancashire

Observer Rochdale Corporation

River Basin Mersey- Irwell-3

Type of Gauge

Annual Average 51.5 in. based on 44 years obs. un-weighted. Period of average 1881-1915. Ref. S

File No. 666987/26

Diameter	5"		561	659							
Height	10"				1						
Altitude	720'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.49	7.69	7.43	7.60	4.60	6.35	4.05	12.18	3.21	3.57	Totals, 58.17
February	6.85	2.23	4.39	2.97	7.30	7.49	3.07	4.62	4.30	6.19	49.41
March	5.22	3.72	1.63	.71	1.87	1.54	8.91	2.30	2.54	3.23	31.73
April	2.56	2.95	3.43	3.69	3.29	1.70	4.54	2.80	5.28	4.98	35.22
May	2.99	4.23	3.82	3.67	5.68	1.46	2.27	1.94	4.29	2.36	32.71
June	.61	.97	4.73	4.19	5.88	4.49	3.42	6.40	.61	3.38	34.68
July	4.83	6.22	3.77	5.00	8.62	5.26	4.33	3.33	2.84	6.53	45.73
August	8.85	6.27	8.93	4.32	4.98	8.23	.33	6.30	4.52	8.18	60.91
September	1.06	3.12	6.46	6.47	3.87	9.85	4.03	4.25	1.84	10.18	51.13
October	6.34	8.40	4.13	6.23	7.65	1.01	1.08	3.60	6.13	3.16	47.73
November	3.55	1.68	4.81	3.80	.67	8.89	9.15	3.35	8.25	7.69	57.84
December	3.58	5.36	2.98	6.09	4.01	4.55	4.95	4.75	9.19	3.95	49.44
TOTALS	47.93	52.84	56.51	60.74	53.42	60.82	50.19	55.82	53.00	63.40	554.67

* Autographic ~~Recd~~ Irwell Valley Water Board.

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Position of Station on reduced Ordnance Survey Map, | No. of Map..... Reference No.

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

Station No. 2912

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RAINFALL at Rochdale (Gryng Hill Whitworth)County of S. LancashireObserver Rochdale CorporationRiver Basin Mersey - Irwell - 3Type of Gauge M.K.1A or inspection

Annual Average 51.25 in. based on 44 years obs. up-weighted. Period of average 1881-1915 Ref. 5

55.46 " 35 " 1916-1950

File No. 52 22277 P (new)

Diameter ...	5"		561	659							
Height ...	11.0"				1						
Altitude ...	720'				516971*						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	5.96	6.62	2.24	5.34	3.23	7.01	5.49	5.48	4.13	7.33	52.93
February	3.74	1.51	3.65	4.50	3.01	1.45	3.62	8.04	.77	3.82	34.16
March	5.88	3.68	2.70	3.74	2.30	2.17	5.48	2.85	2.61	1.49	32.90
April	3.34	4.46	3.95	1.02	3.03	3.46	.62	1.81	4.39	3.56	29.64
May	2.12	2.53	2.73	3.51	5.20	2.59	1.80	5.11	1.79	2.18	29.56
June	2.32	5.11	4.23	4.58	3.61	4.01	2.59	5.49	4.23	2.14	38.31
July	4.18	3.14	8.80	7.37	3.26	7.83	6.28	4.16	4.31	9.22	58.55
August	6.18	7.63	7.41	7.27	1.26	13.85	7.21	5.61	.55	6.99	63.96
September	4.46	4.49	5.28	6.83	4.40	4.88	7.24	6.11	.45	3.64	47.78
October	1.58	6.38	2.57	10.74	3.50	4.22	9.33	5.67	6.07	5.93	55.99
November	10.66	3.19	6.42	7.41	2.67	2.64	2.73	2.54	5.18	9.58	53.02
December	11.00	5.23	2.35	8.62	1.15	5.60	6.38	5.28	9.57	5.85	66.93
TOTALS ...	61.42	53.97	52.33	70.88	42.72	59.71	58.77	58.20	44.05	61.73	563.73
D	D	D	D	d.	d.	D	D	D	D	D	

Inspected 24.8.55 M. & P.H. & Deeks. Gauge sound, canals increased, site of E. Wedderburn streets across small fence part top of gauge. Recommended move NW 150', remove structures. Reconno. carried out Letter 19.1.56 *Gauge moved -alt, 497' - 6.10.55.

Position of Station on Ordnance One-Inch map : No. of Map 95 National Grid Reference 34/875168

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-accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		c1913 ✓	✓	✓	✓	✓ but d. 47