

Brushes  
(in Longdendale District)

Ex 40

480 ft + sea level

YEAR -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -						-	3.8	1.7	2.0	5.3	
February- -						-	2.0	4.4	8.0	1.5	
March - - -						-	2.1	1.7	4.7	.6	
April - - -						2.5	5.9	4.0	1.5	1.4	
May - - - -						2.8	1.4	6.0	1.2	3.0	
June- - - -						4.3	4.0	3.5	5.3	1.8	
July - - - -						4.2	10.0	1.6	4.2	7.5	
August- - -						8.3		3.2	5.8	4.2	
September -						3.3		6.5	4.2	4.8	
October - -						4.9	5.3	3.5	5.8	4.1	
November -						3.4	2.4	3.8	2.6	4.7	
December -						10.3	2.1	5.9	3.6	3.8	
TOTALS -							39.0	46.6	48.9	42.7	

c c c c c

5-7 Mem Mem 7-61

50

Brushes

Copy

153

Cheshire.

400 ft + 5 L

Upper meadow - 1.

YEAR - -	1850	1851							MEANS.
January - -	2.9	2.9							
February - -	3.4	2.1							
March - - -	.6	3.6							
April - - -	2.4	.4							
May - - - -	1.5	1.5							
June - - - -	1.5	5.8							
July - - - -	3.7	3.7							
August - -	4.0	4.1							
September -	1.5	1.8							
October - -	3.6	3.6							
November -	4.3	1.6							
December -	2.4	1.5							
TOTALS -	31.8	32.6							

C C

0-1 Mean June 7-68

## RAINFALL at Stalybridge Brushes Filter House

County of Cheshire

Observer T. J. Dixmier Esq.

River Basin Upper Mersey 1

G H Radcliffe Esq.

Snowdon Rain Gauge, by N.Y.C.

Diameter ...				8							
Height .....				10							16
Altitude ...				615 ft							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				3.58	3.83	6.19	3.72	3.52	2.63	4.88	Totals. 16.19. 14.75
February ...				1.54	2.41	4.10	5.40	.80	5.74	1.18	13.15
March .....				4.29	5.77	1.90	2.44	1.76	1.54	6.41	12.15
April .....				4.60	1.58	1.63	2.76	2.07	1.76	2.70	9.29
May .....				3.02	2.52	1.83	3.04	3.80	2.82	2.08	11.74
June.....				2.72	3.94	2.90	6.08	1.94	1.94	2.10	11.06
July .....				1.35	4.35	5.24	2.31	2.89	4.87	2.42	11.99
August.....				2.31	3.49	5.37	2.82	6.19	3.94	3.35	16.30
September ..				2.19	2.66	.96	2.82	2.88	10.05	2.14	17.82
October ...				2.11	2.73	1.79	5.51	6.01	3.39	3.05	17.96
November..				3.93	4.21	3.17	3.08	4.15	1.88	3.56	12.67
December...				3.23	5.91	6.50	3.38	2.36	8.25	6.58	20.57
TOTALS ...				34.87	43.40	41.58	42.39	37.80	48.81	40.45	169.45 946

Open

H.B. Values reported when Rainfall Survey  
 Map prepared in 1918 Nov.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53°29'.16	2°0.40'W		Stalybridge 2+N5	5700 yds 3700 yds 1540 yds 1918	W by S	St James 1550 yds	1550 yds	NW by N

RAINFALL at Stalybridge Brushes Fitter House.

County of Cheshire

Observer T. J. Dixon Esq. C.E.

River Basin Upper Mersey 1

G. H. Raddington C.E.

Hyetograph

Rain Gauge, by N.W. 3

Diameter ...					G						
Height .....					30						
Altitude ...					615						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					3.10	5.88	3.53	3.29	2.41	4.30	
February ...					2.21	3.79	5.01	.69	5.36	1.08	
March .....					5.09	1.63	2.44	1.54	1.38	6.04	
April .....					1.48	1.50	2.60	1.54	1.64	2.62	
May .....					2.38	1.75	2.91	3.65	2.72	1.99	
June.....					3.79	2.80	4.83	1.84	1.83	2.03	
July .....					4.22	4.99	2.16	2.33	4.72	2.31	
August.....					3.39	5.15	2.62	5.93	3.87	3.26	
September ..					2.58	.91	2.72	2.74	9.75	2.05	
October ...					2.61	1.78	5.42	5.78	3.25	2.89	
November ..					4.00	3.12	3.04	3.96	1.73	3.38	
December...					5.55	6.16	3.07	1.96	7.90	6.31	
TOTALS ...					40.40	39.46	40.35	35.25	46.56	38.26	

Open

N.B. Records rejected from Sowerby, 1928.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.29.16	2.0.40		Stalybridge	3700 5700 ft. 2770 ft. 19.9	W. 6 S	S. <del>James</del>	1510 ft.	N. 5 W.

## RAINFALL at Stalybridge Brushes Filter House

County of Cheshire

Observer G.H. Reddin Esq. C.E.

River Basin Upper Mersey

Ashton-under-Lyne, Water Engineer

Snowdon Rain Gauge, by Negy.

H.T.B. Whiteman CE

Diameter ...	9		5		8		5				
Height .....	1.6						1.6				
Altitude ...	616						616				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	5.14	6.55	3.14	3.72	3.21	2.90	3.53	4.20	9.68	1.68	5.19
February ...	4.27	4.41	5.21	4.73	1.08	6.09	3.32	1.59	5.13	.98	.52
March .....	2.67	3.10	2.64	1.86	1.40	1.82	1.63	4.91	1.48	1.80	2.67
April .....	4.85	1.94	3.26	3.19	1.91	2.27	2.13	2.97	1.11	1.77	2.91
May .....	6.78	2.25	1.56	3.90	5.78	4.38	4.95	1.25	1.00	2.98	1.99
June .....	3.33	1.40	3.05	1.20	2.80	.05	3.57	5.24	1.21	1.47	2.65
July .....	7.84	1.72	5.11	5.48	4.24	2.23	2.42	4.89	2.18	3.34	7.25
August .....	2.94	5.39	5.55	4.60	6.07	3.70	4.99	5.87	6.10	5.83	5.40
September...	2.73	1.10	4.19	4.37	3.53	4.03	3.33	6.68	0.94	1.89	4.82
October.....	1.19	2.74	1.04	4.63	6.03	5.20	3.88	3.52	4.03	5.32	5.89
November...	1.44	2.14	3.07	6.33	2.02	3.80	4.15	4.14	6.22	8.45	4.87
December...	2.94	5.84	4.55	3.88	3.95	3.32	1.99	0.86	2.96	6.88	2.76
TOTALS...	46.12	33.58	42.37	47.91	42.02	39.49	39.89	47.12	48.34	41.59	47.02
	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒

open situation

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series

} No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	53°29'16"	2°0'40"	Stalybridge	5150yds W by N	N. James	1500yds NW by N	

## RAINFALL at Stalybridge Brushes Filter House

County of Cheshire

Observer G.H. Redding Esq. C.E.

River Basin Upper Mersey

(1924 W. Shales, manager, Filter House)

Hydrograph Rain Gauge, by Netty.

1929 m.TB Whitton Pg.

Diameter ...	6										1930 MEANS.
Height .....	3 0										
Altitude ...	615										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...	4.75	6.28	2.96	3.58	3.10	2.77	3.41	4.11	9.57	1.66	5.11
February ...	4.20	3.9	5.05	4.62	9.6	5.98	3.21	1.56	5.02	.95	.51
March .....	2.53	2.97	2.60	1.93	1.32	1.80	1.56	4.84	1.40	1.25	2.54
April .....	4.65	1.86	3.19	3.16	1.84	2.23	2.07	3.93	1.10	1.73	2.88
May .....	6.56	2.16	1.50	3.80	5.68	4.30	4.88	1.21	0.99	2.96	1.99
June .....	3.22	3.33	2.01	1.17	2.74	.05	3.54	5.20	7.15	1.66	3.56
July .....	7.79	1.63	5.02	5.41	4.18	2.20	2.38	4.82	2.15	2.31	7.11
August .....	2.89	5.22	5.47	4.53	5.95	3.66	4.95	5.83	5.99	6.40	5.24
September...	2.68	1.06	4.15	4.32	3.43	4.01	3.25	6.63	0.90	1.86	4.19
October.....	1.14	2.68	1.01	4.54	5.97	5.17	3.83	3.45	3.96	6.24	5.38
November...	1.39	2.04	2.96	6.16	1.91	3.47	4.11	4.08	6.02	8.27	4.73
December...	2.84	5.71	4.56	3.73	3.84	3.25	1.94	0.85	2.83	6.81	2.68
TOTALS...	44.64	32.38	41.48	46.95	40.94	38.89	39.13	46.51	47.38	40.90	45.92
	D	D	D	D	D	D	D	D	D	D	D

1923. Not painted. Recorder.  
 1924. Not painted. clear gauge.  
 1925. -  
 1926. " " Recorder.  
 1927. "  
 1928. -  
 1929. -  
 1930. -

1930.

N.B. Values rejected from Survey, 1928.

Position of Station on reduced Ordnance Survey } Map, 2 miles to 1 inch Series				No. of Map	Reference No.	
Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1920	53° 29' 16"	2° 0' 10"	Stalybridge	1421 1m 5107A	St James	1550 7ds NW by S

## RAINFALL at Stalybridge (Brushes Filter Hn.)

County of Cheshire

Observer M.T.B. Whitson, Esq., C.E.

River Basin Mersey Upper 1.

Type of Gauge

Annual Average 3.2.2 in. based on 25 years obs. unweighted. Period of average 1921 - 1940 Ref. S

705468/26.

Diameter	5"										8"	
Height	1.6											
Altitude	616											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.86	4.45	2.65	2.83	2.72	3.15	4.02	4.70	5.45	2.06		Totals.
February	5.40	4.1	5.32	3.2	5.23	3.28	6.14	1.71	4.14	2.43		34.68
March	2.88	2.71	2.99	3.30	2.35	2.42	2.51	1.43	2.66	3.36		24.11
April	4.63	4.11	2.31	2.27	3.29	1.51	3.47	5.6	2.31	3.47		27.93
May	2.43	4.83	1.85	2.86	1.84	1.74	2.41	3.91	2.53	1.81		24.21
June	6.53	6.60	2.75	2.05	4.20	3.20	2.18	4.57	3.10	9.0		30.08
July	4.51	7.77	4.55	4.91	2.07	4.61	3.46	4.94	7.89	5.76		50.26
August	6.53	1.46	1.51	3.09	1.92	2.94	1.86	3.69	2.26	2.35		27.61
September	4.69	4.76	1.53	3.37	6.52	6.63	1.87	1.97	1.44	1.16		36.94
October	2.13	3.03	5.12	5.65	7.19	4.69	1.85	8.33	2.44	3.61		42.94
November	5.91	3.38	1.83	2.32	4.76	5.04	1.64	4.75	7.01	7.23		43.87
December	1.83	1.90	6.9	4.98	3.76	3.76	3.39	4.50	4.34	4.96		34.11
TOTALS	50.83	44.41	33.10	37.95	44.85	42.37	34.79	44.96	45.57	402.40		421.23
	D	D	D	D	D	D	D	D	D	D		1700

Open Site  
1934. Inspected Sept. Rec'd. to be lowered to 1 ft & surrounded.  
by turf wall

1940 Diameter of gauge 8" see end 151A f. 705468/26

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			Stalybridge	3m	W'N	St James' Millbrook	13m	N'W

Station No. T.F. 2732

## RAINFALL at Stalybridge (Brushes Filter House)

41

County of Cheshire

Observer M. J. B. Whitson Esq. C.E.

River Basin Mersey Upper - 1

Type of Gauge

Annual Average 39.2 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 205468/26

Diameter	8"		559	769						
Height	1' 6"				1					
Altitude	616'				41	415'				616'
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	2.39	4.03	5.13	6.18	4.98	5.10	3.27	9.25	2.59	3.30
February	5.53	1.68	2.90	3.42	4.95	6.97	1.47	2.56	2.12	5.43
March	4.95	2.13	1.61	1.07	1.57	1.39	5.64	1.29	1.99	2.24
April	2.91	1.91	2.61	3.42	2.55	1.83	3.13	1.57	4.49	3.97
May	2.42	3.74	2.36	4.72	3.76	1.39	3.54	1.42	3.10	2.87
June	2.59	1.26	3.71	3.42	5.81	3.79	2.91	5.12	1.19	3.87
July	2.74	5.15	2.59	4.12	2.06	7.29	3.56	2.38	2.43	3.98
August	6.04	4.99	6.92	4.02	3.19	4.90	.53	5.50	3.63	4.96
September	.70	2.82	5.29	5.67	3.14	6.14	2.50	2.74	1.18	6.60
October	5.54	6.73	3.07	4.17	6.31	.69	.88	3.09	3.60	2.64
November	3.04	1.08	3.83	7.71	.60	7.04	5.70	2.50	6.48	6.91
December	2.83	3.52	2.23	3.55	2.74	4.34	4.64	3.15	1.05	3.48
TOTALS	41.68	39.04	42.25	51.47	41.16	50.87	37.77	40.57	40.15	48.30
	D	D	D	D	D	D	D	D	D	D

Totals  
46.22

37.03

23.88

28.69

28.07

32.67

36.30

44.68

36.68

36.62

44.89

37.53

433.26

476

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

15.28

RAINFALL at Gladysbridge (Browns Little House)

Station No. 2752

51

County of Cheshire

Observer M. J. B. Whiston Eng. C.E.

River Basin Mersey Upper - 1

Type of Gauge Mk 1A (except as)

Annual Average 39.2 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S.  
 42.84 " 35 " 1916-1950 1916-1950 File No. 7054 v 26 B 22801/3

Diameter ...	8"	559	769								
Height ...	1' 6"			1 "							
Altitude ...	616'	615'		51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means 1950-60
January	5.03	4.95	2.30	4.59	3.36	5.35	3.27	4.03	3.95	6.22	43.05
February	3.52	1.54	3.50	3.01	1.95	1.61	2.85	5.96	.49	3.32	27.75
March	5.14	2.94	2.67	2.89	2.35	1.35	3.91	2.45	2.04	0.95	26.69
April	3.00	4.60	2.66	1.05	2.31	3.25	.66	1.29	3.18	2.38	24.38
May	1.94	2.70	2.56	3.89	4.00	1.42	1.25	3.25	1.00	1.94	23.95
June	1.60	3.30	4.53	3.72	2.87	3.36	2.40	5.28	2.98	2.03	32.07
July	4.31	4.24	7.24	7.43	1.34	6.67	5.01	5.45	3.91	7.62	53.22
August	5.90	3.20	5.49	7.31	.74	11.01	5.75	4.26	.43	6.25	50.34
September	3.04	4.45	2.81	5.23	2.23	2.96	8.07	4.99	.27	3.44	37.49
October	1.15	4.79	2.27	8.09	2.46	3.22	5.11	3.90	3.48	4.50	38.97
November	7.62	3.29	4.13	5.89	1.88	1.96	2.41	1.65	4.79	5.78	39.40
December	6.58	4.28	1.91	6.72	6.37	5.24	4.94	3.46	5.78	4.27	48.55
TOTALS	48.04	44.28	42.07	59.82	30.86	47.40	45.63	45.97	32.30	48.70	445.86
	0	D	D	D	D	D	D	D	D	D	

Inspected 9.9.55 by Dealer. Gauge levelled at zero point. Measured & fed. Site satisfactory.  
 gauge tilted SW. Recommended new gauge, reuniting the small n. levelling of gauge.

(for reconnection  
made at 27/1 A.)

\$ Torn wall not added BR 1955 - add if rebuilt. No return - file record on 17/12/55  
 Position of Station on Ordnance One-Inch map : No. of Map 101 National Grid Reference 3170670  
 497482

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance 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
	✓ 1913 ✓	✓	✓	✓	✓