

Waterhouse Lock
P. S. Canal

408

360 ft + Sea Level

YEAR --	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January --						1.9	3.9	1.2			
February --				1.42		2.0	1.4	2.0			
March - - -				1.93		3.2	1.8	1.2			
April - - -				1.36		2.4	3.5	2.8			
May - - - -				3.75		1.5	.8	5.3			
June - - - -				3.05		3.9	2.8	3.1			
July - - - -				3.81		3.8	4.2	.8			
August - - -				3.49		6.4	3.8	3.3			
September				3.19		2.7	.7	5.5			
October --				3.85		4.0	4.9	4.7			
November -				4.07		3.0	2.4	3.8			
December -				3.55		8.0	1.6	4.6			
TOTALS -				45.94		42.8	31.8	38.3			

C C C

5-7 Man Mem 7-58

Waterhouses

W. Dulham

M. S. & L. R.

Mps Gal

345 ft + m.s.l

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January --	3.00	3.60	5.40	3.60	3.60	.20	2.90	1.40	1.70	1.80	
February --	2.80	2.30	4.00	.60	1.50	.20	3.20	.60	.10	2.05	
March -- -	.80	3.50	.20	1.20	1.70	2.30	.00	1.50	1.50	3.94	
April -- -	3.30			1.10	.20	1.10	1.80	1.80	1.40	2.19	
May -- - -	1.40	1.70		1.70	1.90	1.60	3.00	1.90	1.80	.63	
June -- - -	1.50	5.00		5.60	2.10	3.00	2.40	1.10	2.80	1.43	
July -- - -	3.90	3.40	3.30	3.20	3.70	3.60	3.00	4.50	.70	3.14	
August -- -	5.00	3.60	2.40	3.20	1.60	3.60	5.50	5.30	.60	5.42	
September -	1.90	1.20	2.20	2.40	2.20	.80	2.60	3.30	1.85	5.95	
October --	3.80	3.30	1.70	3.20	2.70	5.60	2.70	1.10	3.82	2.81	
November -	4.30	2.50	4.80	2.80	2.90	.90	2.20	1.20	.54	2.14	
December -	2.50	1.60	4.80	.30	4.60	1.40	1.50	.90	4.72	3.18	
TOTALS -	34.20			28.90	20.70	24.30	30.80	24.60	21.53	34.68	

C C C C C C called 11 months

7 MSLR ppr

Waterhouses
at Oldham M.R.R.

+ ground 3^{ft} 6 + 345 ft + m.s.l

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	3.59	'17	2.78	4.89	1.25	2.79	3.95	3.61	2.82	2.57	2.842
February --	1.31	2.74	.65	.71	3.47	2.67	3.43	3.28	2.56	4.36	2.518
March --	5.26	6.06	3.21	.72	1.96	1.18	1.54	1.54	5.30	1.24	2.801
April --	1.47	1.18	2.45	1.30	1.02	1.08	.48	5.32	1.70	1.91	1.791
May --	3.53	1.15	5.28	1.76	4.08	2.91	1.74	2.36	1.14	2.99	2.694
June --	5.79	2.08	3.28	4.15	2.54	.72	4.73	1.76	.47	1.25	2.677
July --	2.21	4.52	4.55	1.44	1.90	2.71	3.44	5.41	.29	1.02	2.749
August --	5.66	3.16	3.01	4.67	2.45	4.14	4.47	1.86	2.74	2.79	3.495
September -	2.70	4.38	4.77	5.91	4.30	.70	7.30	2.41	1.54	6.66	4.967
October --	5.14	.88	5.29	5.72	1.98	4.98	2.33	4.20	5.00	2.43	3.795
November -	2.76	4.62	1.35	2.16	3.11	3.00	5.72	2.16	2.81	4.63	3.232
December -	3.01	1.85	3.12	2.96	1.93	.65	4.52	3.73	7.94	5.01	3.472
TOTALS -	42.43	32.79	39.74	36.39	29.99	27.53	43.65	37.64	34.31	36.86	36.133

c c c c c £ £ C C C C

1868 Average (17yrs) 32.49

1869 New Diving gauge feed.

1870 Gauge gauge same

1871 New Diving gauge feed. Diving station

1872 Diving gauge altered.

1873 Diving gauge standard. New Diving station

RAINFALL AT Oldham Waterhouses

Lat..... Lon..... County of Lancashire
 Rain Gauge, by..... Observer M. S. L. R.

Diameter	9										
Height	3.6										
Altitude	345.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.25	7.22	4.12	3.23	4.99	4.27	2.00	5.16	5.02	1.74	3.500
February.....	-95	3.31	3.83	42	1.99	.98	4.19	4.33	1.23	3.34	2.457
March.....	2.02	1.26	3.22	2.96	4.10	4.48	4.34	2.43	2.62	2.06	2.549
April.....	1.80	4.39	2.91	66	1.29	1.26	2.59	1.82	2.05	1.46	2.023
May.....	1.13	2.13	2.62	2.44	1.90	1.80	1.29	3.75	3.41	1.56	2.203
June.....	1.47	4.72	6.54	3.29	1.29	3.78	3.28	1.87	3.28	4.93	3.443
July.....	2.00	4.32	7.27	4.91	1.69	4.42	3.08	5.44	.54	5.24	3.891
August.....	2.24	1.71	3.21	4.88	4.39	2.87	3.60	4.73	5.78	6.94	4.035
September.....	2.26	4.93	6.57	3.39	4.60	5.04	3.37	3.25	6.07	3.02	4.270
October.....	+11.33	4.75	4.58	6.04	4.24	4.34	2.41	4.25	3.85	3.05	4.884
November.....	3.05	1.57	4.46	3.25	4.42	4.17	3.38	6.42	1.68	1.75	3.415
December.....	2.14	2.60	2.16	.97	3.07	1.53	5.28	3.95	2.24	1.72	2.566
TOTALS	33.64	36.91	51.49	36.64	37.97	34.94	38.81	47.40	37.77	36.81	39.238

C C C

RAINFALL AT Ashton Waterhouse

80

Lat.....

Lon.....

County of Lancashire

Rain Gauge, by.....

Observer M.S. & L.C.R. Co.

Mersey - Irwell - 3

Diameter	9										
Height	3.6										
Altitude	345-T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.14	.88	3.78	4.61	5.86	1.98	5.33	2.20	2.16	1.75	3.069
February	3.09	5.64	2.81	1.87	2.30	2.79	.56	.70	1.17	2.62	2.355
March	2.59	4.61	3.18	.82	2.10	2.11	2.42	1.84	2.41	3.05	2.513
April	2.02	1.36	3.98	1.91	1.20	1.26	2.11	1.26	2.00	1.77	1.887
May	2.55	4.00	1.73	1.21	1.91	1.82	5.45	1.89	.92	2.10	2.358
June	2.52	2.16	7.80	5.02	.68	3.66	1.85	.77	3.34	.93	2.873
July	7.86	2.62	6.46	2.50	4.21	1.56	4.62	1.08	6.74	3.48	4.113
August	2.71	5.05	3.61	3.96	2.68	1.49	2.69	1.43	5.47	6.06	3.515
September	5.86	2.48	2.35	6.29	2.82	4.94	4.06	4.75	1.84	3.22	3.861
October	3.05	3.48	4.00	6.20	2.24	5.80	5.27	2.09	2.39	3.27	3.779
November	4.44	4.11	6.44	4.28	1.76	2.32	2.83	1.71	6.28	1.74	3.611
December	6.37	4.41	4.90	3.47	4.65	2.40	5.58	2.90	2.90	2.59	4.017
TOTALS	43.20	40.80	51.04	42.14	32.41	32.33	42.77	22.62	37.62	32.58	37.951

RAINFALL AT Ashton Waterhouses

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer In S & L R C.

Mersey Irwell 3

Diameter	9										
Height	3	6									
Altitude	345 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.83	3.00	3.43	1.17	2.99	2.70	1.53	1.57	2.49	5.24	2.795
February36	.28	2.64	4.43	4.92	.44	1.87	2.37	3.18	1.23	2.172
March	3.56	1.69	.97	.48	3.05	3.17	4.65	3.59	2.50	1.95	2.561
April94	1.68	1.30	.62	1.99	1.45	1.63	2.73	2.00	2.98	1.732
May	2.92	3.24	4.22	2.99	2.57	1.24	.52	2.14	3.25	2.75	2.584
June	3.60	2.29	3.34	2.21	3.14	3.17	2.64	3.57	3.16	1.85	2.897
July	3.30	3.97	2.93	3.80	2.77	6.53	2.58	1.90	.66	1.49	2.993
August	4.77	8.14	4.96	2.69	4.53	4.19	3.17	4.24	5.88	2.11	4.468
September	1.31	3.71	3.65	3.94	.70	1.44	5.49	4.84	.50	6.50	3.208
October	2.77	5.21	5.17	2.93	4.20	3.94	5.10	1.92	3.72	3.84	3.880
November	5.02	2.80	2.89	2.55	2.22	2.49	1.12	5.23	2.29	1.48	2.809
December33	6.15	2.47	3.58	3.34	3.94	4.02	4.77	4.32	2.96	3.588
TOTALS	32.71	42.16	37.97	31.39	36.42	34.70	34.32	38.87	33.95	34.38	35.687

1860

RAINFALL AT Ashton Waterhouses

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer G Central Railway Co

Irwell 3

Diameter ..	9										
Height	3 6										
Altitude ..	345 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.89	2.13	2.81	2.65	2.65	2.00	4.34	1.40	2.76	1.78	2.741
February ..	2.85	1.75	1.15	2.73	3.37	1.80	3.11	1.59	2.72	1.60	2.267
March61	2.76	1.85	3.39	1.89	3.20	2.97	2.86	2.51	3.00	2.504
April	3.07	2.54	1.98	1.68	2.11	2.50	1.90	1.53	2.07	3.25	2.263
May	1.21	1.60	2.90	2.99	2.48	.62	3.04	3.78	2.39	1.90	2.291
June	3.66	1.83	1.58	1.41	.77	3.07	1.14	5.81	2.06	2.69	2.402
July	3.00	4.04	2.27	3.99	.99	2.11	1.82	2.97	4.98	4.78	3.095
August	6.27	1.80	3.29	4.26	4.20	4.07	3.07	3.98	3.24	3.29	3.747
September ..	1.86	.77	1.33	4.70	1.53	2.55	1.47	1.10	3.82	2.32	2.145
October	5.05	3.54	4.49	7.41	1.44	3.09	5.58	4.16	1.26	4.97	4.099
November ..	3.23	5.64	1.40	3.20	2.66	2.98	3.13	2.42	2.27	1.25	2.818
December ..	4.79	5.87	1.91	.98	2.39	.81	3.70	3.13	2.53	6.01	3.212
TOTALS ..	40.49	34.27	26.96	39.39	26.48	28.80	35.27	34.73	32.61	36.84	33.584 555 ✓

H.W.B.

RAINFALL at Ashton-under-Lyne Waterhouses

County of South Lancashire

Observer Great Central Railway Co.

River Basin Upper Mersey 1+

Rain Gauge, by

Diameter ...	9											
Height	3 6											
Altitude ...	3457											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	4.09	1.07	2.95	3.22	2.79	5.21	2.77	2.71	2.55	4.23		
February ...	3.14	3.69	1.18	1.26	1.87	2.85	4.61	.82	5.06	1.13		
March55	1.84	4.41	3.51	4.69	1.52	2.05	1.89	1.55	6.19		
April	2.11	2.45	.89	3.96	1.39	1.43	2.27	1.72	1.11	2.14		
May	2.57	1.76	2.61	2.44	2.08	1.64	2.43	2.10	1.96	1.89		
June	3.39	2.93	4.47	2.18	2.67	2.70	3.04	2.51	2.03	1.80		
July	4.11	.68	4.28	1.07	3.40	4.89	1.61	1.46	4.91	2.07		
August	5.43	2.97	5.75	2.49	3.13	5.33	1.86	7.06	3.45	3.17		
September ..	.23	3.45	1.49	1.70	2.35	.90	2.31	2.17	9.68	1.86		
October ...	3.12	2.78	3.43	1.54	2.07	1.47	4.49	5.84	2.93	2.17		
November ..	4.23	3.22	2.69	3.45	3.39	1.95	2.72	3.69	1.68	2.57		
December ...	2.92	5.16	4.48	2.12	5.03	5.26	2.74	2.15	7.65	5.90		
TOTALS ...	35.89	32.00	38.63	28.94	34.86	35.15	32.90	34.12	44.56	35.12		

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Ashton-under-Lyne Waterhouses

County of S Lancashire

Observer Great Central Railway Co.

River Basin Upper Mersey +

Rain Gauge, by

Diameter ...	9										
Height	3 . 6										
Altitude ...	345										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.13	5.26	2.58								
February ...	2.72	2.26	3.87								
March	3.59	2.89	1.90								
April.....	3.85	1.11	2.24								
May	4.95	1.89	1.34								
June	2.89	1.37	2.29								
July	7.89	1.22	4.03								
August	2.51	4.77	3.36								
September...	2.73	1.73	3.25								
October.....	1.37	1.89	1.64								
November...	1.33	1.94	2.22								
December...	2.46	4.31	3.10								
TOTALS...	40.42	26.64	30.82	#							

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	Parish Church.	Distance from gauge