

Rampall Waterhouse Lock  
P. S. Canal

408

360 ft + Sea Level

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -				5.46		1.9	3.9	1.2			
February - -				1.42		2.0	1.4	2.0			
March - - -				1.93		3.2	1.0	1.2			
April - - -				6.36		2.4	3.5	2.0			
May - - - -				5.75		1.5	.0	5.3			
June - - - -				5.05		3.9	2.0	3.1			
July - - - -				5.81		3.0	4.2	.8			
August - - -				5.90		6.6	3.0	3.3			
September - -				.69		2.7	.7	5.5			
October - - -				8.33		4.0	4.9	4.7			
November - -				4.67		3.0	2.4	3.0			
December - -				1.15		8.0	1.6	4.6			
TOTALS -				15.94		42.8	31.0	38.3			

C C C

5-7 Man Mem 7-58

Waterhouses, Uthman

N. Blkham

M. S. &amp; L. R.

345 ft + incl

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	3.60	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	.30	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	1.05	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	3.10	
TOTALS -	34.20			28.90	28.70	24.80	30.80	24.60	21.53	34.68	

C C C C C C C C C C

x called 12 months

7 M S &amp; L R ppr

## Waterlouses

at Oldham on S.L.R.

+ ground 3' 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	2.610
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	1.00	.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	4.53	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	4.067
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	34.81	36.86	36.133

1868 Average (174) 32.49

RAINFALL AT *Oldham Waterhouses*

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

Diameter .....	5											
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	2.467	
March.....	2.02	1.26	3.22	2.96	4.10	.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	3.59	4.60	5.04	3.37	3.25	6.07	3.02	4.270	
October.....	1.33	4.75	1.58	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 Waterhouses*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Lancashire*

Rain Gauge, by \_\_\_\_\_

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

*Messrs. Jewell - 3*

Diameter ....	<i>9</i>										
Height .....	<i>3.6</i>										
Altitude ....	<i>315.7</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>2.14</i>	<i>.88</i>	<i>3.78</i>	<i>4.61</i>	<i>5.86</i>	<i>1.98</i>	<i>5.33</i>	<i>2.20</i>	<i>2.16</i>	<i>1.75</i>	<i>3.069</i>
February ....	<i>3.09</i>	<i>5.64</i>	<i>2.81</i>	<i>1.87</i>	<i>2.30</i>	<i>2.79</i>	<i>.56</i>	<i>.70</i>	<i>1.17</i>	<i>2.62</i>	<i>2.355</i>
March .....	<i>2.59</i>	<i>4.61</i>	<i>3.18</i>	<i>.82</i>	<i>2.10</i>	<i>2.11</i>	<i>2.42</i>	<i>1.84</i>	<i>2.41</i>	<i>3.05</i>	<i>2.515</i>
April .....	<i>2.02</i>	<i>1.36</i>	<i>3.98</i>	<i>1.91</i>	<i>1.20</i>	<i>1.26</i>	<i>2.11</i>	<i>1.26</i>	<i>2.00</i>	<i>1.77</i>	<i>1.887</i>
May .....	<i>2.55</i>	<i>4.00</i>	<i>1.73</i>	<i>1.21</i>	<i>1.91</i>	<i>1.82</i>	<i>5.45</i>	<i>1.89</i>	<i>.92</i>	<i>2.10</i>	<i>2.358</i>
June .....	<i>2.52</i>	<i>2.16</i>	<i>7.80</i>	<i>5.02</i>	<i>.68</i>	<i>3.86</i>	<i>1.85</i>	<i>.77</i>	<i>3.34</i>	<i>.93</i>	<i>2.873</i>
July .....	<i>7.86</i>	<i>2.62</i>	<i>6.46</i>	<i>2.50</i>	<i>4.21</i>	<i>1.56</i>	<i>4.62</i>	<i>1.08</i>	<i>6.74</i>	<i>3.48</i>	<i>4.113</i>
August .....	<i>2.71</i>	<i>5.05</i>	<i>3.61</i>	<i>3.96</i>	<i>2.68</i>	<i>1.49</i>	<i>2.69</i>	<i>1.43</i>	<i>5.47</i>	<i>6.06</i>	<i>3.515</i>
September....	<i>5.86</i>	<i>2.48</i>	<i>2.35</i>	<i>6.29</i>	<i>2.82</i>	<i>4.94</i>	<i>4.06</i>	<i>4.75</i>	<i>1.84</i>	<i>3.22</i>	<i>3.861</i>
October .....	<i>3.05</i>	<i>3.48</i>	<i>4.00</i>	<i>6.20</i>	<i>2.24</i>	<i>5.80</i>	<i>5.27</i>	<i>2.09</i>	<i>2.39</i>	<i>3.27</i>	<i>3.779</i>
November....	<i>4.44</i>	<i>4.11</i>	<i>6.44</i>	<i>4.28</i>	<i>1.76</i>	<i>2.32</i>	<i>2.83</i>	<i>1.71</i>	<i>6.28</i>	<i>1.74</i>	<i>3.611</i>
December ....	<i>6.37</i>	<i>4.41</i>	<i>4.90</i>	<i>3.47</i>	<i>4.65</i>	<i>2.40</i>	<i>5.58</i>	<i>2.90</i>	<i>2.90</i>	<i>2.59</i>	<i>4.017</i>
TOTALS ....	<i>45.20</i>	<i>40.80</i>	<i>51.04</i>	<i>42.14</i>	<i>32.41</i>	<i>32.33</i>	<i>42.77</i>	<i>22.62</i>	<i>37.62</i>	<i>32.58</i>	<i>37.951</i>

# RAINFALL AT Ashton Waterhouses

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Lancashire

Rain Gauge, by \_\_\_\_\_

Observer W. S. L. R. C.

Messy. Inwell 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	
February ....	.36	.28	2.64	4.43	4.92	.44	1.87	2.37	3.18	1.23	2.142	
March .....	3.56	1.69	.97	.48	3.05	3.17	4.65	3.59	2.50	1.95	2.561	
April .....	.94	1.68	1.30	.62	1.99	1.45	1.63	2.73	2.00	2.98	1.722	
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 .....	2.30	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	
December...	.33	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	35.607	

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
March ....	.61	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	33.586 555

*H. 2*



## RAINFALL at Ashton-under-Lyne Waterhouses

County of South LancashireObserver Great Central Railway CoRiver Basin Upper Mersey 4

Rain Gauge, by \_\_\_\_\_

Diameter ...	9										
Height .....	3 6										
Altitude ...	245 T										
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	
March .....	.55	1.84	4.41	3.51	4.69	1.52	2.05	1.89	1.85	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	3.48	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	2.48	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 WaterhousesCounty of LancashireObserver 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	.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	.37	2.29								
July .....	7.89	1.22	4.03								
August .....	2.51	4.77	3.36								
September...	2.73	.73	3.25								
October .....	1.37	1.89	.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 from gauge	Parish Church.	Distance from gauge	Direction from gauge