

# RAINFALL AT Weardale W.W. Washley 4 Washley Park.

Observer

R. Ackwith Esq.Durham

Rain

By

Gauge

Diameter.....8 in.Height above Ground, ...4 ft. ...6 in.Above Mean Sea Level ...132 ft. 33

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2'58	2'97	3'11	3'87	
February.....							2'59	1'48	2'33	3'72	
March.....							1'14	1'34	1'97	1'14	
April.....							2'40	3'61	2'81	1'80	
May.....							1'06	1'97	1'23	3'73	
June.....							2'67	1'20	'58	1'46	
July.....							3'78	4'08	'65	'33	
August.....							4'67	1'93	3'03	1'33	
September.....							4'96	1'88	5'60	5'13	
October.....							1'33	1'53	1'81	1'87	
November.....							2'43	'59	3'13	2'65	
December.....							2'29	1'53	6'44	3'57	
TOTALS ....							32'17	24'11	32'69	30'60	

# 70

## RAINFALL AT *Weardale W.W. Waskerley H.*

Lat. .... Lon. .... County of *Durham*  
 Rain Gauge, by ..... Observer *R. Adkitt Esq.*

Diameter. ....	8											
Height. ....	<i>4-6 1/2</i>	4	7									
Altitude. ....	<i>1321-33</i>	1321										
Year. ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January. ....	2.04		3.64	1.58	1.24	2.79	.98	5.48	2.81	.97	<i>2.111</i>	
February. ....	1.52	<i>5.17</i>	3.48	1.43	1.77	.47	2.87	2.26	.83	.88	<i>4.221</i>	
March. ....	.62	.96	.64	1.64	1.02	.72	2.91	3.95	.66	.93	<i>1.893</i>	
April. ....	.74	2.32	4.50	.89	1.65	1.10	2.66	4.143	2.87	2.64	<i>3.785</i>	
May. ....	1.14	1.66	2.20	2.76	2.41	1.46	1.80	2.61	4.149	1.53	2.233	
June. ....	1.63	3.33	2.95	1.15	2.18	2.16	3.13	1.80	2.71	4.73	2.577	
July. ....	1.00	2.73	4.24	1.80	1.53	5.70	1.53	4.74	.95	5.12	2.934	
August. ....	2.15	2.04	2.88	1.74	3.08	3.49	1.39	7.52	5.83	4.87	3.499	
September. ....	1.33	4.21	3.54	2.49	2.19	3.52	5.87	1.74	2.77	1.63	2.929	
October. ....	6.49	4.35	7.24	2.55	2.54	5.57	1.74	3.42	2.39	1.14	3.743	
November. ....	1.60	1.49	4.64	2.40	1.21	3.79	3.43	2.44	4.44	1.00	2.644	
December. ....	3.15	1.32	5.66	.96	2.15	2.50	6.70	1.53	1.63	.69	2.629	
TOTALS. ....	23.68	29.58	45.61	21.39	22.97	33.27	35.01	41.92	32.38	26.13	31.194	

1871 January Gauge frozen up.

1872 Falls impassable twice in March which must therefore be taken with April.

# RAINFALL AT *Weardale W.H. Waskley & Waskley Park*

80

Lat. ....

Lon. ....

County of *Durham*

Rain Gauge, by

Observer *R. Adwick Esq.*

*Wear 2*

Diameter ....	8											
Height .....	<i>4' 6 1/2</i>	<i>4 7</i>										
Altitude ....	<i>1321.33</i>	<i>1321</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	<i>.45</i>	<i>5.60</i>	<i>1.48</i>	<i>2.67</i>	<i>4.70</i>	<i>1.43</i>	<i>1.12</i>	<i>.79</i>	<i>.65</i>	<i>.80</i>		
February ....	<i>3.23</i>		<i>.87</i>	<i>3.52</i>	<i>2.28</i>	<i>2.26</i>	<i>4.28</i>	<i>.82</i>	<i>.40</i>	<i>.55</i>		
March .....	<i>1.98</i>	<i>4.19</i>	<i>4.04</i>	<i>(2.40)</i>	<i>1.01</i>	<i>1.47</i>	<i>1.30</i>	<i>1.72</i>	<i>1.97</i>			
April .....	<i>3.19</i>	<i>.88</i>	<i>5.20</i>	<i>1.92</i>	<i>2.67</i>	<i>2.56</i>	<i>2.63</i>	<i>.80</i>	<i>1.90</i>	<i>2.94</i>		
May .....	<i>1.49</i>	<i>2.12</i>	<i>1.44</i>	<i>1.98</i>	<i>1.18</i>	<i>4.39</i>	<i>1.64</i>	<i>2.31</i>	<i>.92</i>	<i>2.08</i>		
June .....	<i>4.19</i>	<i>2.81</i>	<i>4.89</i>	<i>2.89</i>	<i>.98</i>	<i>2.24</i>	<i>3.57</i>	<i>.67</i>	<i>1.64</i>	<i>.52</i>		
July .....	<i>6.64</i>	<i>3.21</i>	<i>3.92</i>	<i>4.33</i>	<i>5.37</i>	<i>2.06</i>	<i>5.54</i>	<i>1.13</i>	<i>6.85</i>	<i>2.75</i>		
August .....	<i>2.24</i>	<i>7.74</i>	<i>3.23</i>	<i>2.38</i>	<i>1.58</i>	<i>3.76</i>	<i>2.15</i>	<i>2.37</i>	<i>1.64</i>	<i>3.95</i>		
September ..	<i>5.70</i>	<i>5.72</i>	<i>2.98</i>	<i>4.70</i>	<i>2.31</i>	<i>3.71</i>	<i>2.93</i>	<i>2.49</i>	<i>1.31</i>	<i>.42</i>		
October ....	<i>2.99</i>	<i>5.73</i>	<i>3.48</i>	<i>4.30</i>	<i>2.44</i>	<i>3.92</i>	<i>6.32</i>	<i>2.94</i>	<i>1.47</i>	<i>4.54</i>		
November ....	<i>2.92</i>	<i>4.09</i>	<i>6.25</i>	<i>1.53</i>	<i>1.87</i>	<i>1.28</i>	<i>5.44</i>	<i>3.14</i>	<i>7.09</i>	<i>1.12</i>		
December ....	<i>2.51</i>	<i>2.85</i>	<i>3.20</i>	<i>1.56</i>	<i>.92</i>	<i>2.37</i>	<i>1.84</i>	<i>2.14</i>	<i>1.72</i>	<i>1.51</i>		
TOTALS ....	<i>37.53</i>	<i>(44.94)</i>	<i>40.98</i>	<i>(34.18)</i>	<i>27.01</i>	<i>31.45</i>	<i>37.43</i>	<i>20.90</i>	<i>27.31</i>	<i>23.15</i>	<i>(32.488)</i>	

1881

January and February, gauge frozen up. Amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Shotton Park

1883

March amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Shotton Park

N.B. annual values rejected from Survey Map, 1929.



# RAINFALL AT *Weardale W.W. Wasterley 4*

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

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

County of *Durham*

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

Observer *R. Askwith Esq. C.E.*

*Wear 2*

Diameter ....	8										
Height .....	4 7										
Altitude ....	1321 ft										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	3.35	3.61	1.04	.63	1.77	(6.36)	.81	2.06	1.57	4.82	2.602
February ....	.85	.26	1.80	3.82	4.10	(2.10)	.75	1.46	1.96	1.59	1.869
March .....	2.03	1.20	.77	1.38	1.22	(3.01)	3.08	5.24	2.44	1.05	2.145
April .....	1.55	2.29	1.35	.34	.90	1.80	1.36	2.07	1.40	3.55	1.661
May .....	1.81	2.39	1.94	2.13	3.22	1.48	.63	.47	3.28	4.35	2.170
June .....	1.63	.13	6.08	1.67	3.95	.50	2.34	5.02	1.79	.94	2.408
July .....	3.52	6.17	1.46	3.09	2.16	8.20	2.58	.71	.63	4.06	3.258
August .....	5.67	5.51	4.51	2.72	2.90	2.47	2.57	2.96	3.18	.96	3.345
September....	1.30	3.94	2.83	1.55	1.41	.41	4.28	3.23	.16	3.06	2.217
October .....	2.20	3.94	5.74	1.32	5.83	4.38	5.82	2.13	6.42	2.80	4.058
November....	2.81	2.40	2.96	2.24	1.80	3.95	3.29	1.51	3.44	3.20	2.760
December ....	3.61	4.86	.97	2.47	2.51	2.98	4.58	4.44	2.97	3.09	3.248
TOTALS . . .	30.33	36.70	31.45	23.36	31.77	(37.67)	32.09	31.30	29.24	33.50	31.741

N.B. Annual values rejected from Survey Mch. 1929.

# RAINFALL AT *Weardale W.T. Wackerley Park 4*

Lat. .... Lon. .... County of *Durham*

Rain Gauge, by *11308* Observer *R. Ashwith Esq. C.E.*

*Wear - 2. Weekly*

Diameter ..	8											
Height ....	4	7										
Altitude ..	1321											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	4.24	.98	.95	3.16	(2.47)	.48	2.61	.40	1.47	.91	1.76	7
February ..	5.11	.77	.68	2.85	(2.18)	.47	.74	1.35	1.22	1.08	1.64	5
March ....	1.27	1.18	.41	3.45	2.08	2.80	1.26	1.32	4.76	3.09	2.16	2
April .....	1.54	1.61	2.24	1.78	1.71	1.58	1.24	1.84	2.70	2.05	1.82	9
May .....	1.55	1.85	2.13	3.27	1.79	1.45	4.30	3.19	2.56	1.74	2.38	3
June .....	3.86	2.27	2.66	1.70	2.92	1.06	.91	3.99	.99	3.16	2.35	2
July .....	1.14	2.60	3.66	5.52	1.76	.59	.62	2.24	2.38	2.01	2.25	2
August ....	6.76	2.50	1.92	2.56	3.29	4.31	3.85	1.71	.90	3.18	3.09	8
September ..	.77	1.92	.95	4.15	.70	2.57	1.12	.41	3.97	3.32	1.98	8
October ....	5.40	3.02	3.54	9.16	1.20	2.40	4.73	5.62	2.84	2.62	4.05	3
November ..	3.82	4.23	1.71	1.34	(2.45)	4.22	3.35	2.85	1.82	.31	2.61	0
December ..	2.65	1.07	3.58	1.93	1.50	1.81	1.63	4.49	.81	2.41	2.18	8
TOTALS ..	38.11	24.00	24.43	40.87	(24.05)	23.74	26.36	29.41	26.42	25.88	28.32	7

1904 Jan Feb + Nov One inch added for each month for Snow

*Notes*

+ 2. II. 1900 H.W. Open moorland position. Timber supports but no gauge - probably removed for repairs at recent date

N.B. annual values rejected from Survey Map. 1929.

RAINFALL at Wearside Water Works Waskerley 4County of DurhamObserver R. Askwithley Ch.H. Robinson Esq. 1918River Basin Wear 2

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

Weekly

Diameter ...	8											
Height .....	4 7											
Altitude ...	1321 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.17	.99	.30		1.45	1.76	3.36	.22	2.12	1.59		
February ...	2.86	1.89	3.90	3.83	2.32	2.81	1.72	1.22	2.54	2.98		
March .....	1.12	1.85	1.74	2.89	1.73	1.46	4.68	.39	.70	1.90		
April .....	2.68	.61	.95	4.27	1.10	.82		1.27	1.98	1.41		
May .....	1.82	1.81	2.55	2.57	1.27	.95	3.56	2.11	1.85	1.88		
June .....	1.64	5.06	4.54	1.43	3.24	1.04	2.13	1.82	.41	.61		
July .....	3.46	.32	3.94	1.59	1.58	3.82	4.21	1.47	4.09	2.13		
August .....	5.64	3.04	6.47	.58	2.37	4.90	3.22	7.75	2.43	1.94		
September ...	.57	1.47	1.84	3.96	2.49	1.02	2.08	1.39	5.52	2.14		
October ...	2.63	4.06	3.99	4.11	1.27	.86	4.45	2.76	4.17	3.40		
November ...	2.80	3.77	.95	1.96	4.80	.99	2.52	1.67	1.67	4.50		
December ...	2.93	4.23	4.21	1.17	7.64	4.86	2.25	1.45	2.76	3.51		
TOTALS ...	29.32	29.10	35.38	28.36	31.26	25.29	34.18	23.50	30.24	27.19		

N.B. annual values reported from Survey leaf. 1929

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



RAINFALL at Heardale Water Works, WetherleyCounty of DurhamObserver H. Robinson Esq. B.E.River Basin Wear 2Glasheen Rain Gauge, by Samuel Smith 18.26Nichols

Diameter ...	8										
Height .....	4.7										
Altitude ...	1321										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.41	4.21	2.15	.93	2.05	2.04	1.95				
February ...	2.16	.30	1.50	3.93	.46	4.32	3.08				
March .....	2.76	1.31	.92	1.88	1.17	2.60	1.03				
April .....	3.69	1.17	2.62	1.70	1.21	3.15	1.90				
May .....	3.89	1.48	1.02	2.18	5.67	4.87	1.47				
June .....	.97	.29	.79	.87	2.03	.45	5.28				
July .....	4.23	.96	4.55	2.42	4.01	1.83	3.77				
August .....	1.76	6.80	3.08	5.37	2.11	3.40	2.80				
September...	1.33	1.05	4.18	3.25	4.71	3.55	4.03				
October .....	2.57	1.81	2.77	3.06	3.38	3.44	2.83				
November...	2.22	2.04	.71	3.52	2.22	2.13	5.40				
December...	3.39	3.27	4.30	1.38	4.42	2.88?	.79				
TOTALS...	31.38	24.69	24.19	30.49	33.44	34.66	34.33	NO	NO	#	

Inspected J.B. 9.12.26 G. on open wood, rising to S + W and down but slightly to E + N. Fairly good exposure if not 1 ft.

Probably T.

N.B. annual values rejected from Survey Map. 1929.

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