

022094

3545

60

RAINFALL AT Wearside W.H. Wastley 1 5 Kaylock Hill.

Observer R. Acknith Esq.

Durham

Rain { By

Gauge {

Diameter.....8 in.

Height above Ground, ...4 ft. 3 in.

Above Mean Sea Level 1317 ft. 06

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2.06	2.55	2.95	3.79	
February.....							2.21	1.45	1.81	2.91	
March.....							1.53	1.39	1.57	1.06	
April.....							2.35	3.38	3.00	1.79	
May.....							.98	2.01	.97	4.07	
June.....							2.69	1.30	.43	1.61	
July.....							3.94	4.53	.65	.33	
August.....							4.47	1.79	3.29	1.29	
September.....							4.91	1.93	5.86	4.85	
October.....							1.18	1.30	1.58	1.72	
November.....							2.22	.59	2.81	2.32	
December.....							2.03	1.40	6.47	3.08	
TOTALS							30.57	23.62	31.39	28.82	

RAINFALL AT *Weardale Wk Waskerley* *Skaylock Hill.*

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

Diameter.....	<i>4</i>										
Height.....	<i>43</i>										
Altitude.....	<i>1317</i>										
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.94</i>	<i>5.25</i>	<i>3.89</i>	<i>2.14</i>	<i>1.19</i>	<i>2.45</i>	<i>.70</i>	<i>4.70</i>	<i>2.78</i>	<i>1.13</i>	<i>2.072</i> <i>1.144</i> <i>2.072</i>
February.....	<i>1.53</i>		<i>3.63</i>	<i>1.06</i>	<i>1.77</i>	<i>.55</i>	<i>2.60</i>	<i>2.09</i>	<i>1.00</i>	<i>1.04</i>	
March.....	<i>.63</i>	<i>.88</i>	<i>1.02</i>	<i>1.70</i>	<i>1.02</i>	<i>.71</i>	<i>2.55</i>	<i>3.58</i>	<i>.55</i>	<i>1.01</i>	<i>1.405</i> <i>3.809</i> <i>1.404</i>
April.....	<i>.70</i>	<i>2.57</i>	<i>5.26</i>	<i>.88</i>	<i>1.67</i>	<i>1.14</i>	<i>2.58</i>	<i>4.40</i>	<i>2.51</i>	<i>2.73</i>	
May.....	<i>1.39</i>	<i>1.33</i>	<i>2.00</i>	<i>2.66</i>	<i>2.45</i>	<i>1.35</i>	<i>1.46</i>	<i>2.64</i>	<i>4.48</i>	<i>1.45</i>	<i>2.121</i>
June.....	<i>1.44</i>	<i>3.17</i>	<i>3.00</i>	<i>1.07</i>	<i>2.01</i>	<i>2.20</i>	<i>3.02</i>	<i>1.46</i>	<i>2.66</i>	<i>4.61</i>	<i>2.464</i>
July.....	<i>.99</i>	<i>2.06</i>	<i>4.78</i>	<i>1.16</i>	<i>1.31</i>	<i>5.49</i>	<i>2.01</i>	<i>4.39</i>	<i>.63</i>	<i>3.81</i>	<i>2.663</i>
August.....	<i>2.41</i>	<i>2.03</i>	<i>2.80</i>	<i>1.75</i>	<i>3.20</i>	<i>3.40</i>	<i>1.44</i>	<i>6.69</i>	<i>4.89</i>	<i>3.87</i>	<i>3.245</i>
September....	<i>1.31</i>	<i>4.58</i>	<i>3.78</i>	<i>2.47</i>	<i>2.10</i>	<i>3.37</i>	<i>4.43</i>	<i>1.48</i>	<i>2.32</i>	<i>1.58</i>	<i>2.742</i>
October.....	<i>6.10</i>	<i>4.97</i>	<i>7.03</i>	<i>2.21</i>	<i>2.45</i>	<i>5.69</i>	<i>1.33</i>	<i>2.91</i>	<i>1.88</i>	<i>1.14</i>	<i>3.571</i>
November....	<i>1.28</i>	<i>1.58</i>	<i>4.88</i>	<i>2.28</i>	<i>3.09</i>	<i>3.84</i>	<i>3.08</i>	<i>2.14</i>	<i>4.01</i>	<i>1.20</i>	<i>2.738</i>
December....	<i>3.05</i>	<i>1.32</i>	<i>6.16</i>	<i>.83</i>	<i>2.46</i>	<i>2.14</i>	<i>6.56</i>	<i>1.79</i>	<i>1.65</i>	<i>.72</i>	<i>2.668</i>
TOTALS....	<i>22.77</i>	<i>29.74</i>	<i>48.23</i>	<i>20.21</i>	<i>24.72</i>	<i>32.33</i>	<i>31.73</i>	<i>38.27</i>	<i>29.36</i>	<i>24.29</i>	<i>30.165</i>

1871 Gauge frozen in Jan.
1872 Falls impassable twice in March which must be taken with April

RAINFALL AT *Wear* *dale W.W. Wackerley 1*

3525 022094 80
Shaylock Hill

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

Wear 2

Diameter	<i>8</i>										
Height	<i>43</i>							<i>44</i>			
Altitude	<i>1317</i>							<i>11</i>			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>(.65)</i>	<i>5.05</i>	<i>1.00</i>	<i>2.55</i>	<i>4.13</i>	<i>2.50</i>	<i>1.03</i>	<i>.79</i>	<i>.58</i>	<i>.59</i>	
February	<i>(2.77)</i>		<i>.60</i>	<i>3.73</i>	<i>1.91</i>	<i>1.30</i>		<i>.65</i>	<i>.56</i>	<i>.45</i>	
March	<i>(1.56)</i>	<i>4.02</i>	<i>3.43</i>	<i>(2.40)</i>	<i>.95</i>	<i>1.56</i>	<i>4.14</i>	<i>1.20</i>	<i>1.63</i>	<i>1.83</i>	
April	<i>(2.96)</i>	<i>.82</i>	<i>5.03</i>	<i>1.76</i>	<i>3.02</i>	<i>2.73</i>		<i>.91</i>	<i>1.58</i>	<i>2.70</i>	
May	<i>(1.56)</i>	<i>2.00</i>	<i>1.17</i>	<i>2.31</i>	<i>1.36</i>	<i>3.76</i>	<i>1.51</i>	<i>2.21</i>	<i>1.21</i>	<i>2.27</i>	
June	<i>(4.34)</i>	<i>2.26</i>	<i>3.33</i>	<i>3.84</i>	<i>.73</i>	<i>1.35</i>	<i>2.89</i>	<i>.74</i>	<i>1.28</i>	<i>.53</i>	
July	<i>(5.58)</i>	<i>2.47</i>	<i>3.03</i>	<i>4.36</i>	<i>5.07</i>	<i>1.55</i>	<i>4.20</i>	<i>1.01</i>	<i>6.57</i>	<i>2.60</i>	
August	<i>(1.93)</i>	<i>6.86</i>	<i>2.93</i>	<i>2.22</i>	<i>1.58</i>	<i>3.31</i>	<i>2.25</i>	<i>2.28</i>	<i>1.70</i>	<i>3.89</i>	
September ...	<i>(5.18)</i>	<i>4.96</i>	<i>2.22</i>	<i>4.46</i>	<i>2.10</i>	<i>2.70</i>	<i>2.44</i>	<i>2.21</i>	<i>1.05</i>	<i>.50</i>	
October	<i>(3.04)</i>	<i>6.00</i>	<i>3.17</i>	<i>4.66</i>	<i>1.89</i>	<i>3.60</i>	<i>6.90</i>	<i>2.77</i>	<i>1.53</i>	<i>4.80</i>	
November	<i>(2.72)</i>	<i>3.08</i>	<i>5.18</i>	<i>1.14</i>	<i>1.49</i>	<i>1.10</i>	<i>5.21</i>	<i>3.29</i>	<i>7.08</i>	<i>1.10</i>	
December	<i>(2.01)</i>	<i>3.20</i>	<i>2.92</i>	<i>1.29</i>	<i>.77</i>	<i>2.09</i>	<i>1.84</i>	<i>2.15</i>	<i>1.59</i>	<i>1.29</i>	
TOTALS	<i>(34.30)</i>	<i>(40.72)</i>	<i>34.01</i>	<i>(34.72)</i>	<i>25.00</i>	<i>27.55</i>	<i>34.29</i>	<i>20.21</i>	<i>26.36</i>	<i>22.55</i>	<i>(29.971)</i>

1881 Gauge frozen up in Jan^y and Feb^y amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Bradley Park

1883 March Amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Bradley Park

1880 Total computed from the ratio at the other 5 stations to the mean of 27 years 1866-92. Months proportioned by No 2. (II-15)

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

RAINFALL AT Weardale W.W. Waskerley 1

Lat. _____

Lon. _____

County of Durham

Rain Gauge, by _____

Observer R. Astworth Esq. C.E.Wear 2

Diameter	8										
Height	4	4									
Altitude	1317	ft									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.16	3.40	.95	.73	1.76	(6.35)	.80	2.09	1.46	4.68	2.538
February ....	.96	.18	1.77	3.74	3.96	(2.09)	.81	1.43	1.94	1.59	1.847
March	2.11	1.28	.78	1.39	1.22	(3.00)	3.08	5.29	2.47	1.07	2.169
April	1.68	1.93	1.35	.34	.98	1.80	1.37	2.02	1.45	3.55	1.647
May	2.02	2.69	2.01	2.37	2.79	1.44	.61	.41	3.23	4.38	2.195
June	1.76	.20	6.11	1.64	3.54	.56	2.29	4.91	1.79	.90	2.370
July	3.40	5.93	1.56	3.01	2.01	8.30	2.53	.60	.60	4.05	3.199
August	5.76	5.16	4.32	2.60	2.76	2.42	2.59	2.91	3.14	.90	3.256
September	1.18	3.95	2.58	1.42	1.47	.40	4.31	3.20	.17	3.08	2.176
October	2.09	3.57	6.16	1.20	5.64	4.30	5.84	2.13	6.42	2.78	4.013
November	2.58	2.37	3.08	2.37	1.68	3.90	3.22	1.42	3.33	3.18	2.713
December	3.40	4.74	1.08	2.53	2.27	2.99	4.56	4.41	3.02	3.12	3.212
TOTALS . . .	30.10	35.40	31.75	23.34	30.08	(37.55)	32.01	30.82	29.02	33.28	21.2357

1895 Amounts for January February and March calculated from daily readings at Waskerley Biddy Shaws and Tunstall and proved to be correct by similar calculations from 12 surrounding stations

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

022094

RAINFALL AT *Weardale Wat Wickerley* 1

Lat.

Lon.

County of _____

Durham

Rain Gauge, by

Observer

R. Askinich Esq CL

Wear - 2. Weekly

Diameter ..	8										
Height	4.4										
Altitude ..	1317	K									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Means.
January ..	4.23	1.04	.90	3.02	(2.50)	.37	2.49	.35	1.22	.90	1.702
February ..	5.09	.68	.70	2.73	(2.37)	.41	.70	1.35	1.06	1.12	1.621
March	1.27	1.13	.49	3.00	2.25	2.73	1.16	1.06	4.89	3.22	2.120
April	1.60	1.70	2.33	1.50	1.62	1.59	1.44	1.85	2.90	2.28	1.881
May	1.59	1.91	1.73	3.43	1.69	1.60	4.39	3.10	3.02	1.91	2.437
June	3.94	2.05	2.76	1.76	2.78	1.09	.86	4.14	.87	3.56	2.381
July	1.13	3.07	3.52	5.09	1.87	.47	.66	2.36	2.65	2.01	2.283
August	6.69	2.34	1.90	2.33	3.16	4.06	4.03	1.76	.81	3.19	3.027
September..	.71	1.91	.90	3.90	.49	2.28	1.16	.42	3.77	3.14	1.868
October....	5.33	2.69	3.33	9.02	.93	2.27	4.53	5.86	2.78	2.45	3.919
November..	3.39	4.06	1.85	1.27	(2.24)	4.60	3.46	2.61	1.80	.29	2.557
December ..	2.68	1.11	3.48	2.04	1.39	1.88	1.53	4.09	.77	2.25	2.122
TOTALS ..	37.65	23.69	23.89	39.09	23.29	23.35	26.41	28.95	26.54	26.32	27.918

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

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

RAINFALL at Wearside Water Works Wackensley 1County of DurhamObserver R. Ackwith Esq C.E.River Basin Wear 2H. Robinson (1912)

Rain Gauge, by _____

Diameter ...	8										
Height	4.4										
Altitude ...	1317 \nearrow										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS Totals
January ...	1.17	1.11	.47	3.93	1.70	1.92	3.15	.23	2.33	1.88	7.56
February ...	2.88	1.35	4.07		2.42	2.50	1.94	1.50	2.70	2.91	9.05
March	1.10	1.91	1.79	3.05	1.95	1.89	3.77 5.40	.54	1.01	1.96	7.28
April	2.66	.68	1.00	4.41	1.08	.88		1.63	1.23	2.18	6.53
May	1.96	1.45	2.75	2.66	1.49	1.80	4.01	2.14	1.93	1.52	9.60
June	1.46	5.22	4.65	1.27	3.99	.97	2.19	2.32	.53	.65	5.69
July	3.63	.40	4.38	1.46	1.44	3.76	4.20	1.27	3.58	2.28	11.33
August	5.52	3.37	7.09	.56	1.94	4.71	3.38	7.74	2.23	2.00	15.35
September ..	.68	1.52	1.71	4.45	2.32	1.25	2.18	1.45	5.12	2.41	11.16
October ...	2.72	3.85	4.16	4.56	1.17	.98	4.25	2.82	4.28	5.72	15.07
November ...	3.93	3.72	.84	1.94	5.32	.98	3.36	1.53	1.90	5.64	12.43
December ...	3.06	4.36	3.83	1.13	8.59	5.08	2.79	1.62	2.80	3.98	11.19
TOTALS ...	30.77	28.94	36.74	29.42	33.41	26.22	36.85	24.39	30.59	30.41	122.24

1916 Mar-Apr apportioned MO3/6.

N.B. - Annual values rejected from Survey leaf. 1929.

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

RAINFALL at Beardale Water Works Wetherley 1County of DurhamObserver H. Robinson Esq C.E.River Basin Wear 2

Glossier Rain Gauge, by
 weekly leak in funnel
inner container } 1X.26
no tube

Diameter ...	3												
Height	4.4												
Altitude ...	1317												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals	
January ...	2.65	4.35	2.78	.91	1.91	1.81	2.05	1.90	4.07	.86	(4.05)	27.34	
February ...	2.67	.29	1.82	4.56	.53	4.25	3.29	1.26	1.56	.54	(1.82)	22.59	
March	3.34	1.43	.75	1.77	1.15	2.96	.87	2.55	(2.99)	.19	(2.26)	30.25	
April	4.24	1.26	2.86	2.02	1.30	2.98	1.63	2.09	.70	1.36	2.74	23.23	
May	4.37	1.80	1.15	2.16	5.49	4.85	1.53	1.65	2.03	1.25	1.38	27.72	
June	1.02	4.2	1.02	.84	2.44	.34	5.57	3.50	(5.16)	1.61	1.28	23.20	
July	4.70	1.11	5.72	2.21	4.30	1.79	3.60	3.96	1.46	2.96	7.81	29.62	
August	2.09	7.06	3.08	4.93	2.01	3.20	2.66	7.26	4.26	2.76	5.22	44.63	
September...	1.55	1.12	4.32	3.13	4.37	3.22	3.81	5.25	1.19	1.13	4.70	33.79	
October	2.67	1.82	2.84	2.87	3.46	3.22	2.71	2.85	4.73	2.39	2.60	32.16	
November...	2.05	2.30	.87	3.41	2.13	2.24	5.12	3.02	(4.30)	3.30	3.68	32.42	
December...	3.99	3.41	4.34	1.34	4.37	3.20 ³	.79	2.21	(1.73)	3.20	3.28	31.96	
TOTALS...	35.34	26.43	31.55	30.05	33.46	34.06	33.68 W	37.50	34.38 M	21.65 M	(40.82) M	358.91	

Inspected by 1X.26. Is on flat open moor with slight rise
 to E + N + flat to S + W. Good exposure if gauge at 1 foot.

1930. Jan - March adjusted for snow. See ref 660612/6.

N.B. Annual values reported 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

022094

31

RAINFALL at Weardale W.W. (Waskerley I.)County of DurhamObserver H. Robinson, Esq., C.E.River Basin Wear - 2.J. A. Rodwell, Esq., C.E. (1938)

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

660612/26.

Diameter	8.										
Height	4. 4.		1 0"								
Altitude	1317.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Total
January	2.05	2.55	1.81	2.55	2.09	4.93	3.90	3.87	5.44	(2.54)	3173
February	(2.29)	.52	3.51	.48	4.44	3.26	4.35	1.88	2.12	3.12	2597
March	(1.50)	2.25	1.13	3.29	1.27	2.30	4.17	.92	4.07	3.47	2437
April	3.89	2.80	1.40	5.54	3.63	2.13	3.13	.37	1.52	1.62	2603
May	3.17	4.15	3.18	2.07	1.12	2.15	3.84	3.02	1.93	1.08	2571
June	3.89	1.36	2.39	3.31	3.00	3.97	1.21	2.89	2.98	.69	2569
July	3.21	3.97	1.89	3.07	1.06	3.15	2.11	2.79	4.45	6.12	3182
August	4.24	1.91	1.42	3.54	1.50	1.91	2.78	4.39	5.20	.94	2783
September	2.30	2.83	2.90	1.98	5.72	3.91	2.46	2.09	2.16	1.61	2796
October	1.22	5.61	4.74	5.17	5.57	2.91	2.80	5.86	7.93	4.83	4664
November	3.30	1.26	4.16	3.13	5.80	4.10	1.64	4.09	4.15	4.27	3590
December	1.47	1.44	1.99	5.67	2.37	3.27	4.37	4.13	1.87	2.33	2891
TOTALS	(32.53)	30.65	30.52	39.80	37.57	37.99	36.76	36.30	43.82	32.62	358.56
	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	

* Ht. of g. altered to 1" in Nov. 1938.

1940 year inserted for record.

Position of Station on reduced Ordnance Survey Map,
1 mile 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

Station No. T.F. 3545

RAINFALL at Weardale W.W. (Waskerley I.)

41

County of Durham

Observer J.A. Rodwell Esq. C.F.

River Basin Wear - 2

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref

File No. 660612/26

Diameter	8"			022	094							
Height	1' 0"				1							
Altitude	1317				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.78	2.50	3.95	1.74	(5.10)	2.60	(2.50)	8.70	1.19	(2.50)	34.56	
February	6.18	2.01	2.43	2.65	2.77	1.49	(5.50)	2.73	1.89	4.50	32.15	
March	2.31	1.57	.95	.66	.61	1.41	(8.50)	1.28	1.15	(1.00)	19.44	
April	1.39	1.26	2.20	1.23	2.49	1.42	5.72	2.61	1.70	(2.50)	22.58	
May	2.16	1.83	3.12	1.98	4.32	2.71	2.37	1.78	.96	2.23	23.46	
June	.50	2.03	2.07	1.99	3.14	2.47	3.97	4.86	1.15	1.00	23.18	
July	2.50	2.79	1.79	2.47	1.92	3.75	3.00	.89	2.49	3.55	25.15	
August	2.37	2.83	5.25	1.50	4.32	4.15	.19	4.74	3.00	5.16	33.51	
September	.39	3.17	3.05	6.39	1.72	4.75	2.03	3.09	3.93	4.70	33.22	
October	3.97	2.51	1.97	4.77	4.03	1.60	1.39	1.62	3.19	1.53	26.58	
November	3.80	1.01	2.71	6.50	1.30	5.23	3.11	1.31	4.14	5.64	34.75	
December	.80	2.94	1.73	2.35	2.28	3.23	3.14	3.19	3.75	1.25	24.66	
TOTALS	30.15	26.45	31.22	34.23	34.00	34.81	(41.42)	36.80	28.54	35.56	333.24	10
	M	M	M	M	M	M	M	M	M	M		

1941. Feb. record for snow

40004

70004

54004

1945 Jan

1947 Jan Feb. windiest.

1950. gauge tested 4/50 and found sound

Position of Station on reduced Ordnance Survey Map, 1 mile 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

BRITISH RAINFALL ORGANIZATION

