

RAINFALL AT Wendale W.H. Washley 5 Millstone Quarry

Observer R. Achard Esq

Durham.

Rain { By.....

Gauge { Diameter.....8...in.Height above Ground,....4...ft....2...in.Above Mean Sea Level 1243.58

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2.49	2.90	3.13	3.88	
February.....							2.49	1.50	2.18	3.85	
March.....							1.38	1.45	1.82	1.18	
April.....							2.34	3.69	3.27	1.73	
May.....							1.05	2.08	1.19	4.34	
June.....							2.64	1.23	4.6	1.60	
July.....							3.70	4.05	71	30	
August.....							4.64	1.88	3.17	1.33	
September.....							5.03	1.86	5.66	5.49	
October.....							1.29	1.46	1.81	1.85	
November.....							2.35	.62	3.20	2.49	
December.....							2.15	1.57	6.89	3.51	
TOTALS							31.65	24.29	33.49	31.55	

RAINFALL AT *Weardale W.W. Haskeley*

70

Lat. Lon. County of *Durham*
Adstone Parry
 Rain Gauge, by Observer *R. Adkisson Esq.*

Diameter,	8										
Height,	42	4	2								
Altitude,	1243 1244										
Year,	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January,	2.09		3.94	1.54	1.23	2.88	.90	5.68	2.66	1.04	2.144
February,	1.57	5.32	3.76	1.50	1.80	.50	2.89	2.02	1.07	.96	4.935
March, ....	.68	.83	.64	1.69	1.00	.72	2.68	3.80	.51	1.04	2.167
April, ....	.73	2.62	4.50	.81	1.67	1.10	3.08	5.17	2.59	2.64	1.925
May,	1.46	1.82	1.97	2.84	2.45	1.43	1.63	2.55	4.80	1.28	2.223
June,	1.48	3.60	3.10	1.06	1.97	2.17	3.36	1.82	2.95	4.88	2.639
July, ....	.88	2.45	4.11	1.61	1.45	5.86	1.68	4.81	.80	4.15	2.780
August,	2.23	2.11	2.73	1.72	3.10	3.56	1.54	7.37	5.35	5.08	3.479
September,	1.36	4.10	3.40	2.44	2.13	3.56	5.51	1.57	2.57	1.72	2.836
October,	6.16	4.37	6.82	2.45	2.52	5.54	1.72	3.39	2.37	.91	3.625
November,	1.63	1.57	4.65	2.36	1.21	3.85	3.55	2.34	4.52	.83	2.645
December,	3.18	1.31	6.04	.98	1.80	2.53	6.48	1.68	1.38	.80	2.618
TOTALS,	23.45	30.04	45.66	21.00	22.33	33.70	35.02	42.20	31.57	25.33	31.030

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

RAINFALL AT *Weardale W.W. Waskerley*

80

Lat.

Lon.

County of *Durham*

Rain Gauge, by

Observer *R. Adkins*

Wear 2

Diameter	8											
Height	42											
Altitude	1245 1244											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	43	490	1.13	2.53	4.95	1.64	1.08	.68	.54	.60		
February	2.98		.78	3.81	2.92	2.57		.94	.48	.46		
March	1.55	4.60	3.32	(2.55)	.95	1.83	4.30	1.45	1.64	1.91		
April	2.67	.79	3.75	1.88	3.25	2.75	2.48	.97	1.71	2.37		
May	1.09	1.89	1.21	2.35	1.35	4.38	1.60	2.41	1.01	1.94		
June	3.75	2.55	4.51	3.00	1.05	1.71	3.02	.74	1.39	.46		
July ..	5.81	2.42	3.21	4.80	6.31	1.61	5.00	1.14	6.62	2.81		
August	1.76	6.78	2.92	2.60	1.31	3.55	2.41	2.46	1.82	4.03		
September....	5.01	4.53	1.97	4.93	2.66	3.43	2.73	2.17	1.08	.47		
October	2.53	5.14	3.21	4.59	2.04	4.17	6.91	2.47	1.59	4.70		
November....	2.67	3.72	5.62	1.63	1.88	1.28	5.89	3.16	7.22	1.15		
December	2.16	2.90	2.90	1.59	.96	2.36	1.60	2.21	1.77	1.49		
TOTALS	32.41	(40.22)	34.53	(36.25)	29.63	31.28	37.02	20.80	26.87	22.39	31.140	

1881 January and February Gauge frozen up. Amount computed by
differentiation from Wolvingham, Ushaw, Allenheads & Sholey Park

1883 March Amount computed by differentiation from Wolvingham
Ushaw, Allenheads & Sholey Park

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

RAINFALL AT Weardale W.W. Waskerley 5

Lat. _____

Lon. _____

County of Durham

Rain Gauge, by _____

Observer R Askwith Esq. C.E.

Wear 2

Diameter	8											
Height	4 2											
Altitude	1244 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.24	3.50	1.10	.67	1.89	(6.37)	.89	2.11	1.56	4.81	2.614	
February ....	.89	.23	1.86	3.78	3.99	(2.10)	.81	1.43	1.99	1.64	1.872	
March	1.93	1.23	.73	1.44	1.22	(3.02)	3.05	5.30	2.47	1.07	2.146	
April	1.46	2.40	1.39	.40	1.01	1.90	1.39	2.00	1.45	3.57	1.697	
May	1.96	2.55	1.98	2.18	3.14	1.48	.62	.43	3.25	4.41	2.200	
June	1.60	.12	6.05	1.64	3.90	.57	2.34	5.08	1.84	.93	2.407	
July	3.61	5.99	1.58	3.20	2.20	7.96	2.52	.69	.58	4.02	3.235	
August	5.56	5.55	4.38	2.48	2.94	2.41	2.47	2.87	3.21	.96	3.283	
September	1.26	3.91	2.59	1.39	1.49	.38	4.31	3.26	.16	3.08	2.163	
October	1.98	4.33	5.81	1.20	5.55	4.47	5.71	2.11	6.45	2.76	4.037	
November	2.91	2.53	2.97	2.37	1.71	4.11	3.18	1.45	3.37	3.16	2.776	
December	3.50	4.82	1.02	2.54	2.30	2.96	4.57	4.44	2.98	3.11	3.224	
TOTALS ..	29.90	37.16	31.46	23.29	31.34	(37.73)	31.86	31.17	29.31	33.52	(31.674)	

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

RAINFALL AT Wearside w. Waskerley 5

no unseen Lat. 7.98 Lon. 1.2 County of Durham
Tin Glaisher Rain Gauge, by N. 2 Observer R. Ashwith Esq. C.E.
Wear - 2. Leech

Diameter ..	8										
Height ...	4.2	3-6	N.W.								
Altitude ..	1244 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.27	1.11	.83	3.05	(2.66)	.35	2.87	.43	1.42	1.09	1.808
February ..	5.07	.75	.84	2.54	(2.41)	.48	.87	1.53	1.21	1.31	1.701
March	1.24	1.25	.52	3.40	2.23	3.00	1.26	1.33	4.86	3.31	2.240
April	1.58	1.87	2.34	1.77	1.88	1.74	1.62	1.81	3.41	2.42	2.044
May	1.54	1.77	2.10	3.31	1.96	1.55	4.49	3.21	2.58	1.95	2.446
June	3.90	2.21	2.78	1.64	2.92	.95	.97	4.36	.92	3.49	2.414
July	1.06	2.52	3.49	5.55	1.70	.61	.62	2.54	2.69	2.20	2.298
August	6.61	2.38	2.04	2.76	3.07	4.18	3.94	1.69	.88	3.43	3.098
September..	.75	1.97	.98	4.03	.63	2.26	.99	.45	3.96	3.50	1.952
October....	5.31	2.75	3.43	9.82	1.11	2.38	4.92	5.90	2.77	2.81	4.120
November..	3.73	4.62	2.01	1.25	(2.39)	4.60	3.77	2.84	1.92	.41	2.754
December..	2.62	1.09	3.71	2.19	1.65	2.04	1.68	4.93	.86	2.58	2.325
TOTALS ..	37.68	24.29	25.07	41.31	(24.61)	24.14	28.00	30.92	27.48	28.50	29.200

1904 Jan Feby + Nov One inch added for each month for snow

+ 2. xi. 1900 N.W. Gauge sloping to N.W 7° or about 1°. Fixed level before leaving
 Exposure good - on slope facing N. A slight ridge some distance S + SW
 might make the yield a little high.

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

RAINFALL at Wearside Water Works Waskerley 5County of DurhamObserver R. Ackworth Esq. C.E.

14. Robinson Esq. 1918.

River Basin Wear 2

Rain Gauge, by _____

Weekly

Diameter ...	8										
Height	4.2										
Altitude ...	1244										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.03	1.26	.48	} 4.31	1.71	2.02	2.93	.17	2.46	1.24	
February ...	2.75	1.89	4.24		2.35	3.17	1.91	1.74	2.53	2.94	
March	1.37	2.04	2.01	3.32	1.90	1.75	} 5.20	.48	.89	1.88	
April	2.93	.69	1.16	4.73	1.01	.89		1.09	2.21	1.53	
May	1.89	1.74	2.79	2.67	1.41	1.11	4.44	2.16	2.00	1.47	
June	1.72	4.63	4.91	1.22	3.82	1.01	2.06	2.37	.46	.62	
July	3.61	.33	4.42	1.80	1.51	4.14	4.12	1.93	4.37	2.14	
August	5.66	3.11	6.54	.49	2.08	5.14	3.30	8.61	2.33	2.86	
September ..	.65	1.53	1.80	4.13	2.49	1.03	2.39	1.25	5.76	2.22	
October ...	2.68	4.30	4.15	3.89	1.08	.99	4.67	2.81	4.31	3.69	
November ..	3.53	4.20	1.05	2.04	5.36	1.05	3.39	1.67	1.79	4.72	
December ...	3.23	4.88	4.20	1.14	8.53	5.85	2.81	1.72	3.15	4.07	
TOTALS ...	31.05	30.60	37.75	29.74	33.25	28.15	34.22	26.00	32.26	29.18	

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

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

RAINFALL at Heardale Water Works, Washley 5County of DurhamObserver H. Robinson Esq. C.E.River Basin Wear 2Blair Rain Gauge, by
sound record (X. 26).
Wickly.

Diameter ...	8										
Height	4 2										
Altitude ...	1244										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.38	3.58	2.52	1.94	1.88	2.00	2.02				
February ...	2.19	2.26	2.10	4.04	4.9	3.23	3.01				
March	3.05	1.34	1.90	1.58	1.20	2.65	.87				
April	4.19	1.27	2.52	2.30	1.32	3.08	1.83				
May	3.81	1.78	1.20	2.25	5.57	4.86	1.32				
June .....	.99	.32	.88	.86	2.29	.37	5.38				
July	4.40	1.13	5.42	2.52	4.29	1.89	3.55				
August	1.95	7.28	3.16	5.37	1.96	3.26	3.02				
September...	1.54	1.08	4.51	3.29	4.55	3.60	3.69				
October	2.86	1.87	2.97	3.09	3.48	3.31	2.75				
November...	2.25	2.46	.91	3.42	2.08	2.31	5.22				
December...	3.68	3.29	4.06	1.62	4.36	2.86?	.88				
TOTALS...	33.29	25.66	31.45	31.28	33.47	34.02	33.54	W	N60	NOH	

Inserted g. 9. 12. 26. 8. on open wood sloping up to S + E, with a wall at some distance to W + down to reservoir bank to the N.W.
Very good exposure of gage at 1 foot.
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	Parish Church.	Distance from gauge	Direction