

RAINFALL AT Weardale W.W. Waskerley 3 Railway Junction

3543

Observer R. Achwith Esq.

Durham

Rain { By.....

Gauge { Diameter.....8 in.Height above Ground, ...4 ft. 6 in.Above Mean Sea Level, 1432.69

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2.92	2.79	3.33	4.09	
February.....							3.28	1.93	2.84	3.88	
March.....							1.56	1.43	2.23	1.28	
April.....							2.52	4.09	3.10	1.83	
May.....							1.12	2.08	1.30	3.79	
June.....							2.86	1.29	.57	1.61	
July.....							4.19	4.28	.74	.40	
August.....							4.91	1.92	3.21	1.36	
September.....							5.05	1.95	6.18	6.01	
October.....							1.36	1.81	1.94	2.10	
November.....							2.65	.69	3.62	2.80	
December.....							2.60	1.65	6.61	3.86	
TOTALS							35.02	25.91	35.61	33.01	

RAINFALL AT

Weardale W.W. Waskerley 370

Lat.

Lon.

County of

Durham

Railway Junction

Rain Gauge, by

Observer

R. Ackwith Esq.

Diameter, . . .	8										
Height,	4.6	4.6									
Altitude,	1432.69	1453									
Year,	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January,	2.22	.80	4.01	2.16	1.25	2.93	1.01	5.72	3.39	1.13	2.452
February,	1.55	5.82	3.34	1.06	1.78	.65	2.82	2.56	.94	1.09	2.161
March, . . . . .	.78	1.24	.68	1.56	1.03	.74	3.03	4.13	1.22	1.11	1.982
April, . . . . .	.70	2.17	5.08	.90	1.60	1.05	2.72	4.05	3.32	2.52	3.963
May,	1.58	1.48	2.25	2.71	2.58	1.44	1.77	2.69	5.26	1.58	2.334
June,	1.78	2.99	2.77	1.02	2.15	2.19	3.18	1.76	2.60	4.63	2.507
July,	1.05	2.25	4.21	1.22	1.61	5.71	1.66	4.50	1.11	6.58	2.990
August,	1.94	2.00	3.00	1.93	3.14	3.00	1.49	7.33	5.85	5.37	3.508
September, . . .	1.76	3.69	3.18	2.67	2.26	3.62	5.71	1.75	3.02	1.63	2.929
October,	6.50	4.58	6.94	2.44	2.65	5.08	1.70	3.33	2.42	1.31	3.695
November, . . .	1.72	1.63	4.59	2.18	3.12	3.84	3.26	2.56	5.38	1.24	2.952
December, . . .	3.21	1.69	5.64	.89	2.53	2.43	6.20	1.75	2.21	.79	2.734
TOTALS,	24.79	30.34	45.69	20.74	25.70	32.58	34.55	42.13	36.72	28.98	32.222

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

RAINFALL AT *Weardale W.W. Waskerley 3*

022063 3543 80

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

Wear 2

Diameter	8											
Height	4 6											
Altitude	1422 69	1433										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	69		1.48	2.60	3.42	1.56	1.15	.90	.64	.75		
February	3.22	5.25	.97	3.75	2.07	1.96	1.04	.47	.53			
March	2.05	4.32	2.89	(2.60)	1.09	1.18	4.43	1.24	1.75	1.85		
April	3.26	.96	4.57	1.65	2.80	2.54	2.05	1.09	1.87	2.24		
May	1.63	1.90	1.75	2.12	1.32	3.57	1.44	2.27	1.15	2.17		
June	4.84	2.43	3.23	4.24	.87	1.85	3.38	.63	1.71	.59		
July	6.33	3.21	3.38	4.49	5.27	1.88	4.78	1.10	6.56	2.65		
August	2.06	7.29	3.30	2.86	1.45	3.63	2.24	2.27	1.51	3.94		
September	5.43	4.59	2.43	4.37	2.19	3.64	2.87	2.34	1.11	.50		
October	3.24	6.09	2.80	5.43	2.11	3.93	5.75	2.71	1.52	4.72		
November	2.83	3.44	5.24	1.57	1.68	1.24	5.96	3.53	7.29	1.14		
December	2.57	2.91	2.87	1.83	.86	2.18	2.09	2.22	1.80	1.47		
TOTALS	38.15	42.36	34.91	37.45	25.13	28.66	36.14	21.34	27.38	22.55	(31.407)	

1881 January and February - Gauge frozen up. amount computed by differentiation from Wolsingham, Ushaw, Allenhead & Shotton Park

1883 Amount computed by differentiation from Wolsingham, Ushaw, Allenhead & Shotton Park

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

RAINFALL AT *Weardale W.W. Waskerley 3*

Lat.

Lon.

County of *Durham*

Rain Gauge, by

Observer *R Askwith Esq. Cl.**Wear 2*

Diameter	8											
Height	4 6											
Altitude	1433 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.20	3.62	1.10	.74	1.81	(6.37)	.81	2.09	1.52	4.80	2.606	
February ....	.91	.23	1.77	3.78	4.07	(2.10)	.83	1.49	1.97	1.64	18.79	
March	2.33	1.29	.76	1.37	1.12	(3.02)	3.12	5.21	2.44	1.11	2.177	
April	1.72	2.29	1.35	.31	.97	1.83	1.38	2.05	1.42	3.47	1.679	
May	1.99	2.82	1.88	2.34	3.34	1.58	.66	.44	3.25	4.39	22.69	
June	1.83	.17	6.03	1.62	3.95	.60	2.29	5.01	1.82	.93	2.425	
July	3.71	5.69	1.52	2.99	2.16	7.63	2.56	.72	.62	4.05	3.165	
August	5.67	5.74	4.46	2.83	2.98	2.67	2.60	2.95	3.26	.94	3.410	
September....	1.40	3.97	2.78	1.63	1.51	.44	4.28	3.20	.20	3.06	2.247	
October	2.19	3.85	6.28	1.23	6.06	4.46	5.74	2.14	6.39	2.78	4.112	
November....	2.95	2.47	3.13	2.42	1.85	4.07	3.27	1.51	3.43	3.22	2.832	
December	3.62	4.81	1.02	2.44	2.48	2.98	4.60	4.42	2.99	3.10	32.46	
TOTALS ...	31.52	36.95	32.08	23.70	32.30	(37.75)	32.14	31.23	29.31	33.49	(32.047)	

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

RAINFALL AT *Weardale W.W. Washley* 3

Lat.

Lon.

County of *Durham*70 m. *Tin Glaisher* Rain Gauge, by *N. 5. 2.*
diam. 8.07, 7.78, 7.98, 8.04 N° 1307Observer *R. Askwith Esq. Cl.*Wear - 2. *Wear*

Diameter ..	8										
Height	<i>4 6</i> <i>(3-2) H.L.W.</i>										
Altitude ..	<i>1433 R</i>										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.20	1.04	1.19	3.89	(2.95)	.84	3.20	.48	1.75	1.39	2.093
February ..	5.19	1.34	.81	3.50	(2.75)	.66	1.35	2.18	1.60	1.90	2.128
March	1.22	1.20	.49	4.13	2.85	3.27	1.67	1.40	4.88	3.46	2.457
April	1.52	1.81	2.60	2.25	2.24	2.09	1.47	1.90	3.52	2.04	2.144
May	1.58	1.84	2.48	3.36	2.22	1.45	4.88	3.90	2.47	2.06	2.624
June	3.98	2.38	2.89	1.77	3.33	2.11	1.09	4.15	1.14	3.66	2.650
July	1.08	2.51	3.63	5.87	1.66	.55	.79	2.42	2.88	2.46	2.385
August	6.87	2.60	1.98	2.70	3.51	4.24	3.78	1.93	1.06	3.06	3.173
September..	.78	1.41	.90	4.36	.72	2.73	.99	.48	4.45	3.82	2.064
October....	5.51	3.27	3.72	9.94	1.34	2.75	5.43	5.96	2.87	2.86	4.365
November..	4.10	4.07	1.61	1.72	(3.27)	4.36	3.66	3.12	2.13	.59	2.863
December ..	3.09	1.48	3.77	2.33	1.61	2.11	2.19	4.79	1.06	2.89	2.532
TOTALS ..	39.12	24.95	26.07	45.82	(28.45)	27.16	30.50	32.71	29.81	30.19	31.498

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

+ 2. XI. 1900 H.L.W. Exposure perfect.

timber

hole in side of
upper limb of flange
2" by 1"N.B. Annual values rejected from Survey Map, 1929.

RAINFALL at Weandale Water Works Wackerley 3County of DerhamObserver R Ashwin Esq. etc.

H. Robinson Esq. 1910

River Basin Wear 2

Rain Gauge, by _____

Weekly

Diameter ...	8										
Height	4	6									
Altitude ...	4035										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS 1901-15
January ...	1.49	1.48	.42		1.85	2.24	4.00	.32	2.46	2.15	8.92
February ...	3.51	1.65	4.48	4.90	2.81	3.12	2.28	1.61	3.14	3.49	10.52
March	1.53	2.46	2.01	3.49	2.42	2.08	3.34	.71	.90	1.80	6.75
April	2.77	.87	1.50	4.98	1.37	1.19	4.48	1.61	2.19	1.69	6.91
May	2.22	2.01	2.70	2.58	1.57	.98	3.82	2.24	1.88	1.39	9.33
June	1.96	5.57	5.40	1.52	3.65	1.10	2.70	1.52	.86	.87	5.65
July	3.75	.44	4.30	2.05	1.86	4.10	3.70	1.22	3.74	2.57	11.23
August	5.38	2.95	6.99	.78	2.90	4.99	3.27	8.15	2.34	2.15	15.91
September ..	.48	1.45	1.97	4.41	2.57	1.15	2.37	1.61	6.02	2.43	12.43
October ...	3.01	4.54	4.37	4.31	1.39	.95	5.00	3.38	5.13	3.90	17.41
November ..	3.81	4.44	1.88	2.29	5.25	1.02	2.76	2.26	1.96	5.03	12.01
December ...	2.98	4.51	5.42	1.66	8.42	5.24	3.02	2.12	3.26	4.40	12.86
TOTALS ...	32.39	32.37	40.94	32.97	36.06	28.16	37.70	26.75	33.57	31.91	129.93

1916 - Mar-Apr. Apportioned 19035.

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

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

RAINFALL at Meandale Water Works Washley No. 3County of Durham Observer H. Robinson Esq. B.C.River Basin Wear 2Glaisher Rain Gauge, by
Mealy leads in tube only 1x.26.

Diameter ...	9												
Height	4.6												
Altitude ...	1433												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals	
January ...	2.76	4.94	2.80	1.30	2.35	2.18	2.25	2.30	4.57	92	(4.03)	30.40	
February ...	2.73	4.1	1.83	3.80	6.6	4.82	3.42	1.22	1.79	.48	(1.85)	23.04	
March	3.27	1.75	1.14	2.19	1.30	3.22	1.32	2.71	(2.97)	.90	(2.58)	22.65	
April	3.90	1.25	3.26	1.81	1.25	3.45	2.01	2.45	.97	1.41	3.58	24.34	
May	4.25	1.61	1.26	2.73	5.99	5.13	1.77	1.92	2.09	1.38	1.45	29.58	
June	1.00	.37	1.01	1.15	2.17	.54	5.36	3.45	5.34	1.87	1.44	23.70	
July	4.65	1.16	5.32	2.69	3.29	1.98	3.71	3.90	1.52	3.12	6.93	38.87	
August	1.99	6.69	3.40	5.25	2.36	3.17	2.92	7.54	4.58	2.83	6.30	46.03	
September...	1.77	1.05	4.20	3.52	4.73	3.82	4.25	5.35	1.12	1.38	4.72	35.94	
October	2.30	1.90	2.68	3.51	3.72	3.23	2.96	3.06	5.70	2.77	2.96	34.79	
November...	2.28	2.33	1.02	3.86	2.33	2.13	5.76	3.18	4.83	3.11	3.54	34.37	
December...	3.70	3.86	4.44	1.97	4.51	3.46?	1.07	1.89	(1.65)	3.28	3.05	32.88	
TOTALS...	34.60	57.38	32.36	33.78	35.26	37.13	36.80	38.97	37.13	22.75	(40.43)	376.59	

Inspected 9.9.18.26 B. on open moor with ridge of land providing some shelter to S.E. + S.W. + W. Ground slopes down to N.E. Excellent exposure of lat 1 ft.

H. 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

022065 31

RAINFALL at Weardale W.W. (Waskerley 3)County of DurhamObserver H. Robinson, Esq., C.E.River Basin Wear - 2J.A. Redwell Esq., C.E. (1932)

Type of Gauge.....

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

660612/26.

Diameter	8.										
Height	4.6.		1' 0"								
Altitude	1433.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total/5
January	2.11	3.22	2.19	2.89	2.30	5.15	4.34	4.05	4.09	(2.50)	32.84
February	(2.61)	.68	3.94	.51	4.53	3.51	4.47	2.23	2.45	2.82	2775
March	(1.41)	2.27	1.24	4.65	1.32	2.75	4.23	1.20	3.78	3.54	2639
April	3.81	3.34	1.54	6.25	4.14	2.05	3.25	.54	1.67	1.81	2840
May	3.09	4.96	2.76	2.18	1.07	2.19	3.91	3.11	1.80	1.13	2620
June	4.27	1.26	2.32	3.03	3.34	4.17	1.29	3.08	3.05	.75	2656
July	3.55	4.23	1.89	3.33	.95	3.40	2.07	2.87	4.51	6.27	3307
August	4.28	1.66	1.61	3.61	1.52	1.91	2.74	3.67	3.68	1.15	2583
September	3.32	3.09	2.58	2.07	5.62	4.17	2.47	1.80	2.03	1.83	2898
October	1.53	6.54	5.12	5.28	6.05	3.31	2.91	6.50	7.78	4.96	4998
November	3.30	1.72	4.24	3.21	5.83	4.15	1.62	4.26	4.09	4.42	3684
December	1.60	1.75	1.95	5.58	2.40	3.31	4.26	5.66	2.03	2.61	3115
TOTALS	(34.88) M	34.72	31.38	42.59	39.07	40.07 M	37.56 M	38.97 M	40.96 M	33.79 M	37399 ✓

* Hts. of g. altered to 1' in Nov. 1933 1940 g. moved for road.

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 3543

RAINFALL at Wearside W.W. (Waskerley 3)

41

County of DurhamObserver J. A. Rodwell Esq. C.E.River Basin Sear 2

Type of Gauge.....

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

File No. 660612/26

Diameter	8"		022	065								
Height	10"			1								
Altitude	1433'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	
January	3.92	2.60	4.07	1.84	(5.95)	2.53	(3.50)	8.23	1.26	(2.60)	36.50	
February	5.75	2.09	2.30	2.79	2.73	1.41	(5.50)	3.02	1.75	4.29	31.63	
March	2.47	1.65	.96	.72	.58	1.39	(8.50)	1.83	1.17	.85	19.62	
April	1.49	1.31	2.27	1.40	2.79	1.45	5.87	2.49	2.01	2.72	23.80	
May	2.22	1.61	3.21	2.11	4.10	2.80	1.91	2.16	1.03	2.34	23.49	
June ....	.56	1.91	2.17	1.80	3.39	2.58	4.10	5.39	1.08	1.23	24.21	
July	2.96	3.13	2.05	2.71	2.12	3.89	3.04	1.02	2.91	3.64	27.47	
August	2.51	3.15	5.69	1.62	4.20	3.98	.18	4.91	2.70	5.08	34.02	
September ....	.41	3.31	3.12	6.70	1.82	4.60	2.24	3.30	3.50	5.73	34.73	
October	4.10	2.85	2.17	4.93	4.20	1.75	1.37	1.47	3.41	1.89	28.14	
November	3.87	1.07	2.95	6.07	1.18	5.75	3.04	1.53	4.48	6.88	37.02	
December ....	.93	3.05	1.86	2.21	2.07	3.04	3.08	3.27	4.14	1.90	25.55	
TOTALS	31.19	27.73	32.82	34.90	35.13	35.17	(42.33)	38.32	29.44	39.15	346.18	10
	M	M	M	M	M	M	M	M	M	M		

1941 Feb. covered for snow

1945 Jan. " "

1947 Jan. Feb. March etc.

40004

70004

40004

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

Station No.

3543

RAINFALL at Wear-dale N.W. (Washerby 3)

51

County of Durham

Observer

J. R. Rodwell Esq. C.E.River Basin Wear - 2

11/54

Ac WINDMILL Esq. C.E.Type of Gauge Bradford.

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

" " 36.62 " -21 " " Within 1934-56.

1916-1950

File No.

66062/26 E 2255.4/55

Diameter ...	8"		022	065					5"		
Height ...	1' 0"			1							
Altitude ...	1433'			51					1421'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	3.30	(5.76)	1.12	3.38	3.10	(4.15)	3.38	3.33	(3.25)	5.90	36.67
February ...	3.30	(1.60)	1.90	3.00	3.70	3.92	2.97	5.30	.52	5.17	31.38
March ...	4.50	1.70	.33	3.05	2.41	(2.00)	1.71	3.18	1.25	3.40	23.53
April ...	2.70	1.70	3.15	.83	.65	1.37	.58	1.98	2.98	1.83	17.77
May ...	4.68	2.00	3.20	5.32	2.48	.88	1.52	3.78	.80	2.32	26.98
June ...	1.35	1.39	4.38	2.08	2.70	3.30	1.19	4.07	2.42	.62	23.50
July ...	1.83	1.22	2.08	2.40	1.42	3.12	4.09	3.01	1.30	5.55	26.02
August ...	5.02	4.03	4.97	8.72	1.12	9.25	5.50	3.90	1.32	4.32	48.15
September ...	1.95	5.65	2.52	3.94	1.40	3.95	4.21	2.71	1.20	3.04	30.57
October ...	.90	5.58	2.25	6.03	2.31	2.24	2.86	2.38	2.40	11.85	38.80
November ...	8.81	3.29	2.25	6.30	2.23	1.28	2.85	.61	6.20	3.97	37.79
December ...	5.16	3.30	1.35	4.25	4.52	3.20	3.50	5.40	6.60	3.22	40.50
TOTALS ...	43.50	37.22	29.50	49.30	28.04	38.66	34.36	39.65	30.24	51.19	381.66
	7	M	M	2		n.p.			M	M	

10

1954 Print with quarry (dry?)
 1956 Jan. & Mar. part est. M. 0.36, Eng. agreed. 1956 Jan est. 1903 Eng. agrees. March part est. 1903 Eng. agrees.
 1957 July Turf wall 22m. 11 fences repaired. 1956 N.P. Low 1957 print.
 1959 j. 0.0K. of mound. Site over-estimated ENE-ESE. No good turf-wall.
 1959: - Jan part 48.
 40004

Turf-wall.

Position of Station on Ordnance One-Inch map :

No. of Map 84

National Grid Reference 45/004433

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C1866	✓	✓	✓	✓	
	-	2-20-25, 27, 30	- 31-35	-	