

022114

60

 RAINFALL AT Wendale W.H. Haskinsley 6
Washford Hill.

3542

Observer

R. Achuth Esq.Durham

Rain

{ By

Gauge

Diameter.....8.....in.Height above Ground.....4 ft. 2 1/2.....in.Above Mean Sea Level.....122 ft. 6 in.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2.59	2.73	3.09	3.78	
February.....							2.34	1.38	2.05	3.77	
March.....							1.42	1.45	1.71	1.05	
April.....							2.34	3.48	3.13	1.79	
May.....							.96	2.06	1.03	3.99	
June.....							2.70	1.22	.37	1.39	
July.....							3.42	3.96	.62	.22	
August.....							4.25	1.92	3.34	1.22	
September.....							5.16	1.84	5.43	5.03	
October.....							1.19	1.44	1.60	1.71	
November.....							2.37	.59	2.70	2.35	
December.....							2.04	1.42	6.52	3.20	
TOTALS							30.58	23.49	31.59	29.50	

RAINFALL AT *Wearside W.W. Washley 6*

Lat.

Lon.

County of *Durham*

Rain Gauge, by

Observer *R. Achworth Esq.*

Diameter.	8										
Height.	42										
Altitude.	1229										
Year.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.	2.06		3.67	1.58	1.19	2.91	.80	5.38	2.91	.92	2.047
February.	1.48	5.03	3.57	1.53	1.76	.48	2.79	2.01	1.02	.94	4.197
March. ....	.64	.91	.63	1.56	1.02	.71	2.74	3.57	.60	1.00	1.880
April. ....	.63	2.50	4.90	.86	1.61	1.09	2.89	4.81	2.44	2.49	3.760
May.	1.65	1.49	1.97	2.73	2.33	1.40	1.65	2.48	4.69	1.35	2.174
June.	1.49	3.64	3.21	.95	1.96	2.18	3.39	1.81	3.13	4.90	2.666
July. ....	.81	2.29	4.07	1.58	1.39	5.77	1.63	4.54	.91	4.49	2.748
August.	2.08	2.03	2.97	1.66	3.12	3.58	1.48	6.95	5.49	4.51	3.387
September.	1.37	4.07	3.48	2.28	2.10	3.54	5.17	1.51	2.55	1.73	2.780
October.	5.96	4.51	7.09	2.34	2.41	5.46	1.48	3.35	2.23	.99	3.582
November.	1.50	1.67	4.40	2.17	1.18	3.84	3.53	2.26	4.33	.89	2.597
December.	3.10	1.31	5.90	.85	1.83	2.42	6.21	1.51	1.39	.75	2.527
TOTALS.	22.77	29.45	45.80	20.09	21.90	33.38	33.76	40.18	31.89	24.96	30.418

1871 January Gauge frozen up.

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

RAINFALL AT *Wear 2* *Wear 2* *W. W. Waskley*

022114

80

Lat.

Lon.

County of *Dorham*

Rain Gauge, by

Observer *R. Bellwith Esq.*

Diameter	8											
Height	4.2											
Altitude	1229											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	5.6	4.70	1.17	2.45	4.83	1.71	1.20	.87	.63	.65		
February	3.12		.80	3.78	2.82	2.81	4.22	1.02	.50	.52		
March	1.56	4.04	3.40	(2.55)	.98	1.68		1.40	1.50	1.92		
April	2.67	.70	4.50	1.91	3.39	2.79	2.03	1.14	1.70	2.52		
May	1.21	1.82	1.53	2.38	1.34	4.73	1.48	2.29	1.04	2.12		
June	3.88	2.31	4.35	2.98	1.11	1.47	2.68	.75	1.29	.55		
July	5.69	2.59	2.99	4.71	6.02	1.44	4.47	.99	6.16	2.71		
August	1.83	6.42	2.71	2.73	1.45	3.49	2.30	2.46	1.68	4.26		
September	5.02	4.15	1.94	5.07	2.58	2.76	2.34	2.45	1.11	.49		
October	2.56	5.24	2.87	4.51	2.10	3.61	6.69	2.30	1.59	4.83		
November	2.71	3.10	5.57	1.64	1.89	1.26	6.15	3.16	7.37	1.15		
December	2.11	2.97	3.00	1.63	.86	2.33	2.03	2.20	1.88	1.43		
TOTALS	32.92	38.04	34.77	36.34	29.37	30.08	35.59	21.03	26.45	23.15	(30.774)	

1881 January and February Gauge frozen up. Amount computed by
 Differentiation from Wolsingham, Ushaw, Allenheads & Sholley Park
 1883 March Amount computed by differentiation from Wolsingham
 Ushaw, Allenheads & Sholley Park

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

RAINFALL AT Weardale W.W. Wasterley 6

Lat. _____

Lon. _____

County of Durham

Rain Gauge, by _____

Observer R Askwith Esq. C.E.Wear 2

Diameter	8											
Height	4 2											
Altitude	1229 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.28	3.78	1.03	.70	1.87	(6.31)	.82	2.11	1.50	4.73	2.613	
February ....	.92	.20	1.79	3.92	4.00	(2.08)	.76	1.43	2.00	1.60	1.870	
March	2.11	1.17	.71	1.35	1.28	(2.99)	3.03	5.27	2.44	1.12	2.147	
April	1.50	2.22	1.35	.38	.91	1.78	1.36	1.97	1.43	3.52	1.645	
May	1.91	2.59	1.93	2.33	2.96	1.43	.62	.42	3.23	4.38	2.180	
June	1.66	.16	6.12	1.64	3.62	.60	2.25	4.96	1.81	.88	2.370	
July	3.42	5.86	1.54	3.13	2.10	8.07	2.54	.69	.62	4.07	3.204	
August	5.65	5.41	4.43	2.55	2.81	2.39	2.64	2.92	3.14	.87	3.281	
September	1.28	3.92	2.66	1.51	1.41	.40	4.30	3.22	.18	3.10	2.198	
October	1.99	4.01	5.70	1.24	5.66	4.45	5.81	2.13	6.39	2.80	4.018	
November	2.85	2.47	2.89	2.28	1.75	3.88	3.21	1.44	3.41	3.13	2.731	
December	3.78	4.81	1.02	2.52	2.34	2.98	4.65	4.43	3.01	3.13	3.267	
TOTALS . . .	30.38	36.60	31.17	23.55	30.71	(37.36)	31.99	30.99	29.16	33.33	21.5211	

1895 Jan'y to March Snow computed from daily gauges

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

022874

RAINFALL AT Weardale w.t. Waskerley 6 3542

Blackfoot Hill

Lat.

Lon.

County of

Durham

The
meter
canGifford's
Rain Gauge, by

No 2. 1886

Observer

R. Askwith Esq. L.

wear - 2. Weekly

Diameter ..	8										
Height	4.2										
Altitude ..	1229										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.17	1.06	.90	3.02	(2.69)	.40	2.88	.42	1.45	1.11	1.810
February ..	5.14	.82	.78	2.35	(2.29)	.50	.71	1.76	1.28	.97	1.660
March	1.23	1.19	.51	3.20	2.03	2.80	1.20	1.35	4.64	2.80	2.095
April	1.54	1.76	2.05	1.60	1.94	1.53	1.35	1.43	2.63	2.22	1.805
May	1.56	1.54	1.87	3.22	1.84	1.51	4.23	3.16	2.38	1.85	2.316
June	3.83	2.14	2.49	1.45	3.00	.98	.86	4.48	.84	3.42	2.349
July	1.15	1.83	3.75	5.34	1.86	.66	.66	2.26	2.30	2.17	2.198
August	6.74	2.35	1.99	2.92	2.83	3.98	3.81	1.56	.85	3.09	3.012
September..	.73	1.91	.95	3.60	.58	2.10	.83	.46	3.56	3.19	1.791
October....	5.35	2.73	3.05	9.36	1.12	2.22	4.36	5.11	2.31	2.71	3.832
November..	3.78	4.69	1.86	1.26	(2.28)	4.31	3.26	2.66	1.62	.28	2.600
December..	2.63	1.15	3.28	1.73	1.42	2.03	1.64	4.48	.79	2.52	2.167
TOTALS ..	37.85	23.17	23.48	39.05	(23.88)	23.02	25.79	29.13	24.65	26.33	27.655

1904 Jan Feby + Nov Ground added for each month for snow

H.W.

+ 2.81. 1900 H.W. G. sloping $\frac{1}{2}''$ or 4° to N.N.W. Perfect position - slight slope falling to N.E.

K. B. Annual values rejected from Survey Map. 1929.

RAINFALL at Weardale Water Works (Easby) 6County of DarhamObserver R. Ashwith Esq. C.E.
H. Robinson Esq. 1918.River Basin Wear 2

Rain Gauge, by _____

Weekly

Diameter ...	8										
Height	4.2										
Altitude ...	1229										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 Means. Totals
January ...	1.08	1.12	.40	} 4.22	1.61	2.02	3.24	.21	2.21	1.75	7.44
February ...	2.97	2.08	3.73		2.44	2.81	1.91	1.36	2.88	2.70	8.85
March	1.23	1.71	1.84		1.72	1.66	3.37	.52	.75	1.78	6.42
April	2.66	.62	1.35	4.54	1.10	1.01	4.83 1.46	1.00	1.95	1.33	5.74
May	1.98	1.75	2.63	2.27	1.42	1.03	3.83	2.14	1.83	1.41	9.21
June	1.71	4.22	4.55	1.22	3.68	.87	1.94	2.06	.43	.60	5.06
July	3.61	.30	3.99	1.49	1.54	3.97	3.60	2.33	4.17	1.92	12.02
August	5.32	2.96	5.87	.44	1.95	3.59	2.94	8.11	1.92	2.16	15.16
September ..	.52	1.54	1.69	3.91	2.37	.88	2.10	1.19	5.41	2.10	10.80
October ...	2.47	4.14	3.69	3.31	1.07	.88	4.53	2.73	4.76	3.57	15.39
November ..	3.26	3.93	.93	1.83	4.74	.97	2.95	1.73	1.82	3.79	10.29
December ...	3.04	4.60	4.39	1.20	8.40	5.40	2.80	1.54	2.76	3.78	10.88
TOTALS ...	29.85	28.97	35.06	27.89	32.04	25.09	34.76	24.92	30.89	26.69	117.26

1916: Mar-April approximated 1913 b.

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

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

RAINFALL at Meardale Water Works Washley 6County of Durham Observer H. Robinson Esq C.E.River Basin Wear 2Blaisier Rain Gauge, by N. & Z.

Is sound & correct but
truly new G. would do no harm } 1x.26.
as funnel has been soldered.

at funnel has been soldered.												
Diameter ...	8											
Height	4.2											
Altitude ...	1229											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 Total
January ...	2.36	3.97	2.28	1.22	1.97	1.83	2.17	2.24	4.38	1.06	(2.05)	27.53
February ...	2.12	3.1	2.14	3.76	4.4	4.79	3.22	1.06	1.88	.37	(2.10)	22.19
March	3.19	1.38	1.02	1.47	1.23	2.70	.88	2.65	(2.93)	.19	(2.60)	20.24
April	3.87	1.30	2.66	2.28	1.36	3.10	1.78	2.16	.67	1.33	2.67	23.08
May	4.00	1.96	1.01	2.11	5.72	4.51	1.37	1.55	1.81	1.26	1.42	26.72
June	1.05	.32	.96	.81	1.87	.43	5.14	3.30	5.03	1.76	1.37	22.04
July	3.87	1.01	5.08	2.80	3.94	1.81	3.15	3.73	1.65	2.60	6.95	36.59
August	1.92	6.60	2.92	5.39	1.82	3.10	3.15	3.13	4.71	2.71	5.87	45.82
September...	1.30	1.07	4.11	3.00	4.31	3.36	3.18	5.11	.94	1.21	4.76	32.35
October	2.73	1.67	2.48	3.22	3.45	3.42	2.75	2.75	5.24	2.65	2.75	33.11
November...	1.98	2.14	.74	3.56	2.13	2.30	4.96	2.83	4.66	3.43	3.78	32.51
December...	3.65	3.15	4.22	1.37	4.45	3.03	.81	1.85	(1.78)	3.46	3.11	30.89
TOTALS...	32.04	24.58	29.62	30.99	32.69	34.38	32.56	37.36	35.58	22.03	(40.93)	363.06
							W		M	M	M	

Inspected G. 9.1X.16 Is on open moor. Ground slopes up in the direction of S. W & E but slightly down to N & then up again. Fairly good exposure of at 1 ft.

780 Jan. Feb & March adjusted for snow. See 120 of 66067/26

X.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

022114 31

RAINFALL at Weardale W.W. (Waskerley 6.)County of DurhamObserver H. Robinson, Esq., C.E.River Basin Wear - 2.J. A. Redwell, Esq., C.E. (1939)

Type of Gauge.....

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

66061266

Diameter	8.										
Height	4.2.		4. 2. 1. 0.	1. 0.							
Altitude	1229.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means 1934.6
January	1.89	2.71	1.79	2.93	2.08	5.37	3.71	3.27	3.69	(2.49)	2.993
February	(2.39)	.64	3.69	.42	4.47	3.12	4.63	1.11	2.03	2.78	2.528
March	(1.57)	2.29	1.00	4.26	1.39	2.46	4.29	.91	3.58	3.33	2.508
April	3.54	3.05	1.56	5.91	3.36	2.15	3.29	.20	1.47	1.67	2.620
May	3.45	4.04	2.90	2.30	1.08	2.13	3.53	2.81	1.69	1.02	2.495
June	4.06	1.24	1.94	3.07	3.11	3.72	1.15	2.88	2.88	.83	2.428
July	3.17	3.59	1.95	2.77	.93	3.77	2.19	2.98	4.88	5.87	3.210
August	3.79	1.84	1.33	3.78	1.27	2.04	2.38	4.22	4.42	.97	2.604
September	2.75	2.77	2.57	2.39	5.69	4.00	2.55	1.92	1.89	1.47	2.800
October	1.32	5.12	4.49	5.04	5.78	2.82	2.43	6.13	7.25	5.14	4.552
November	3.73	1.27	4.22	3.22	5.77	4.02	1.52	4.03	3.97	4.50	3.625
December	1.37	1.62	1.75	5.29	2.44	3.16	4.77	4.53	1.91	2.87	2.971
TOTALS	(33.03)	30.18	29.19	41.38	37.37	38.76	36.44	34.99	39.66	32.94	35.394
	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	

* height of g. altered to 1' in Nov. 1933.

1934 NOTE. Complete year with gauge at 1 ft. very satisfactory. 1940 gauge inserted for 2nd year.

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.P. 3542RAINFALL at Weardale W.D. (Waskerley L.)

41

County of DurhamObserver T.A. Rodwell Esq. C.B.River Basin Tear 2

Type of Gauge

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

File No. 000612/26

Diameter	8"			0.22	1.14							
Height	10"				1							
Altitude	1229'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	
January	3.88	2.56	3.78	1.90	5.18	2.37	(3.00)	9.13	1.13	1.94	34.89	
February	5.85	2.17	2.51	2.55	2.87	1.31	(5.00)	2.93	1.66	4.38	31.23	
March	2.68	1.72	.99	.60	.69	1.47	(7.50)	1.41	1.03	.80	18.89	
April	1.32	1.41	2.32	1.47	2.61	1.36	6.07	2.35	1.95	2.29	23.15	
May	2.03	1.70	3.33	2.07	3.99	2.88	2.16	2.06	.93	2.23	23.58	
June	.61	1.78	2.11	1.88	3.23	2.63	4.32	5.17	1.18	1.31	24.22	
July	2.60	2.87	1.89	2.40	2.07	3.64	2.90	.96	2.72	3.94	25.99	
August	2.25	2.98	5.79	1.73	4.58	3.85	1.4	5.03	2.41	5.51	34.27	
September	.43	3.43	2.88	6.48	1.90	4.70	2.16	3.36	3.34	4.54	33.22	
October	3.75	2.71	2.23	5.13	3.96	1.69	1.34	1.40	3.36	1.80	27.37	
November	3.93	.97	2.89	6.00	1.34	5.66	3.18	1.63	4.60	6.06	36.26	
December	.90	3.12	1.90	2.48	2.16	3.23	3.19	3.12	4.34	2.20	26.64	
TOTALS	30.23 M	27.42 M	32.62 M	34.69 M	34.58 M	34.79 M	(40.96) M	58.75 M	28.65 M	37.02 M	339.71	10

1941 Feb. cond. for snow
1947 Jan Feb & March not

70004

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. 3562 51

RAINFALL at Weardale 10.10 (Waskerley G)

County of Durham Observer J. R. Redwell Esq. C.E.
River Basin Ulfar 2 11/54 A.C. WILDSMITH Esq. C.E.
Type of Gauge Bradford

Annual Average in. based on years obs. un-weighted. Period of average 1916-1950 Ref.
" " 3544 " " 23 " " 1934-56. " " " " File No. 66062/25 222554/50

Diameter ...	8"		022	114					5"		
Height ...	1' 0"			1							
Altitude ...	1229'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	2.61	(5.45)	1.15	3.46	(3.00)	(4.10)	3.36	2.56	2.55	4.16	32.40
February ...	3.30	(1.51)	1.90	2.50	3.60	(4.00)	2.93	4.48	.42	4.46	29.10
March ...	4.30	1.70	.26	2.21	1.77	1.28	1.78	2.58	1.32	2.88	20.08
April ...	2.50	1.90	3.15	.72	.56	1.15	.50	1.42	2.90	1.59	16.39
May ...	4.15	1.98	3.30	4.79	2.15	.77	1.75	3.50	.77	2.60	25.76
June ...	1.49	1.33	3.78	1.89	2.56	3.46	1.70	3.94	2.80	.67	23.62
July ...	1.89	1.20	2.43	1.65	1.35	2.94	3.70	3.10	1.57	5.25	25.08
August ...	5.03	3.98	4.86	7.50	1.02	8.64	6.00	3.13	.75	4.06	44.97
September ...	2.14	4.62	2.50	3.64	1.29	4.27	4.06	2.86	1.05	3.20	29.63
October ...	.97	4.46	2.16	5.78	2.09	2.02	(2.40)	2.60	2.07	11.80	36.35
November ...	7.77	3.25	2.30	5.60	2.21	1.05	2.18	.58	5.22	3.77	33.93
December ...	5.05	3.21	1.40	3.40	4.13	3.04	2.79	4.97	6.16	2.79	36.94
TOTALS ...	41.20 M	34.59 M	29.19 H	43.14 H	25.73 H	36.72 H	33.15 H	35.72 H	27.58 H	47.23 M	354.25 10

1955 Jan. part est. M.O. 3b. Eng. agreed. 60004 60004 00044
1956 Jan est 1903 Eng agrees. File 1st 1903. Eng agrees.
Imp. III 1959 J.B.K. J. R. Redwell. Site not - exposed all directions. Turf wall rec.
60004

Position of Station on Ordnance One-Inch map : No. of Map 84 National Grid Reference 45/042450

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 30	1920-30 30	1931-40 30	1941-50 30	1951-60
C 1966	✓	✓	✓	✓	
	-	but - 20-25, 27	-	but - 49	