

RAINFALL AT Weardale w w Waskerley

Lat.

Lon.

County of

Durham

Rain Gauge, by

Observer

R Askwith Esq Ch.

Wear 2 Daily

Diameter							8				
Height							11				
Altitude							1179 ft				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											#
	7.55	.92	2.50	1.70	4.60						
February					2.44	.66	1.98	2.61	1.63		
March					2.53	3.82	4.89	1.96	1.42		
April					1.49	.99	1.79	2.47	3.86		
May98	.62	1.71	2.36	3.95		
June					1.91	2.45	3.76	1.86	.93		
July					6.48	2.63	.67	.86	4.95		
August					2.63	2.29	3.33	2.95	.94		
September34	4.07	2.78	.85	4.26		
October					4.98	6.54	1.90	6.58	1.96		
November					4.06	2.60	1.78	2.87	2.82		
December					3.10	5.55	3.74	3.12	3.12		
TOTALS	(29.90)	(37.16)	(31.46)	(23.29)	(31.34)	38.49	33.14	30.83	30.18	34.44	(320.23)

No. 5 used for purpose of average VII. 1911.

Stanhope Church 4 miles S.S.W.

Muggleswick - 4 - N

Newfonge Jan 1st 1895

Res. House

RAINFALL AT Weardale W.W. Wackerley (By)

gr.
 .01 110
 .10 120
 .20 135
 .30 150

Lat.

Lon.

County of Durham

Upper M.O. Rain Gauge by N.Y.Z. (No 2189) Observer R. Ashworth Esq. C.R.
 8.03, 7.99, 8.01, 8.00
 wear - 2.

Diameter ..	8										
Height ..	0 : 11										
Altitude ..	1179 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.28	1.79	1.07	3.58	2.54	.55	3.53	.94	1.63	1.57	2148
February ..	5.15	1.25	1.36	3.33	2.66	1.10	1.63	1.59	2.26	2.21	2254
March ..	1.49	2.65	1.44	3.21	2.49	2.88	1.78	1.71	5.19	5.92	2876
April ..	1.59	1.84	1.79	1.60	2.00	3.47	2.26	2.30	4.05	2.58	2348
May ..	1.65	1.96	3.11	3.64	3.27	1.05	4.99	3.98	2.56	1.99	2820
June ..	4.69	1.77	2.59	2.45	2.06	1.07	1.12	3.81	.75	3.30	2361
July ..	1.25	2.85	3.48	5.37	1.76	.56	.74	2.56	2.76	2.67	21400
August ..	6.77	2.85	1.92	2.84	3.39	3.80	3.96	2.21	2.19	3.88	3381
September ..	1.19	1.71	1.04	3.48	.66	3.02	1.14	.30	2.75	2.86	1815
October ..	5.37	2.92	3.29	9.33	1.09	2.87	5.12	6.67	2.63	2.96	4225
November ..	3.53	5.10	2.33	1.80	(3.06)	5.52	4.08	2.36	1.42	.86	3006
December ..	2.50	2.90	3.32	2.32	2.02	1.13	2.05	4.44	.97	3.87	2552
TOTALS ..	39.46	29.59	26.74	42.95	(27.00)	27.02	32.40	32.87	29.16	34.67	32.186

1904 Nov. titrated by snow drift corrections approved by observer

+ 2. XI. 1905 H.S.W. Perfectly good position.

RAINFALL at Weardale Water Works Waskerley

County of Durham

Observer R. Cawkwell Esq.

River Basin Wear

2

H. Robinson (1918)

Rain Gauge, by

Diameter ...	8										
Height	0 11										
Altitude ...	109 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. TOTALS
January ...	3.61	1.77	3.69	3.59	1.98	2.55	2.64	4.19	2.69	4.08	13.60
February ...	3.70	1.78	3.09	1.62	2.22	3.52	4.93	.81	2.85	1.96	10.55
March	1.14	3.61	2.91	5.13	2.08	2.07	5.32	1.58	1.69	2.48	11.57
April	3.29	1.60	.35	3.73	1.17	1.12	2.30	2.37	1.76	2.04	8.47
May	2.14	1.32	2.85	2.50	1.54	2.12	4.11	2.23	2.02	1.41	9.77
June	1.48	5.32	5.47	1.36	3.21	.62	2.33	2.49	.62	1.00	6.44
July	4.07	.55	4.87	1.58	2.00	3.83	4.16	1.39	3.99	2.14	11.68
August	5.29	3.36	6.10	1.59	2.68	5.21	3.41	8.31	2.58	3.85	17.55
September ..	7.4	2.50	2.72	3.37	1.94	1.31	2.46	1.64	6.50	1.55	12.02
October ...	3.69	3.16	2.56	4.02	2.24	1.09	3.96	3.38	3.15	6.16	16.65
November ...	3.21	4.39	2.10	2.09	5.02	1.95	3.40	2.07	1.57	5.04	12.38
December ...	3.13	4.38	3.39	1.57	6.72	6.11	3.43	2.28	3.15	3.27	12.13
TOTALS ...	35.49	33.74	40.00	32.05	32.80	31.50	42.75	32.76	32.62	34.68	442.81
	D	D	D	D	D	D	D	D	D	D	

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

RAINFALL at Weardale Water Works Warkenley

County of Durham

Observer H. Robinson Esq G.G.

River Basin Near 2

Snowdon Rain Gauge, by
sand covered (X. 16.)

Inspected 9. 9. 1926. Lg. in potato patch with belt of trees at some distance to S, E & N with house at distance to W. Excellent exposure.

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

RAINFALL at Werdale W.W. (Waskerley)

County of Durham

Observer H. Robinson, Esq., C.E.

River Basin Wear - 2

J. A. Rodwell, Esq., C.E. (1938)

Type of Gauge

Annual Average 33.1 in. based on 32 years obs. un-weighted. Period of average 1931-1935 Ref. S

660612/26

Diameter	8.											1931-40 Means Total	
Height	0.11.	1	0										
Altitude	1179.												
Year	1931	1932	1933	1934	1935	1936	-1937	1938	1939	1940			
January	2.34	2.55	2.02	2.16	2.04	4.52	3.94	3.12	4.48	(2.34)	2.933		
February	2.30	1.20	4.40	3.7	3.87	2.94	4.13	1.71	1.61	2.66	2.519		
March	1.30	2.44	1.43	4.14	1.19	2.64	4.82	.78	3.51	3.24	2.849		
April	3.66	3.18	1.53	5.33	3.31	1.98	2.79	.37	1.24	1.55	2.494		
May	3.47	4.69	3.46	2.00	1.06	1.46	3.22	2.91	1.83	1.16	2.526		
June	4.48	1.85	2.67	3.62	3.10	3.89	1.23	2.71	2.97	.80	2.682		
July	3.57	4.19	2.66	3.15	.92	3.11	2.07	2.65	4.51	6.74	3.356		
August	4.21	1.90	1.55	3.66	1.83	1.78	2.42	4.43	4.86	1.09	2.743		
September	2.80	3.18	2.81	1.89	5.31	3.77	2.69	1.74	1.98	1.73	2.790		
October	1.48	6.51	4.69	5.02	4.31	2.37	1.94	5.13	6.56	4.61	4.152		
November	3.42	1.28	3.50	2.21	6.74	3.47	1.36	3.52	3.44	4.18	3.212		
December	1.45	1.68	1.83	4.42	1.97	2.65	4.03	3.35	1.60	2.90	2.588		
TOTALS	34.48	32.95	32.43	37.97	34.35	34.59	34.64	32.43	38.59	33.00	34.543	V.S.	
	D	D	D	D	D	D	D	D	D	D	D		

Alt. of g. altered to 1.0 in Nov. 1933

1940. Correction on Feb. 3rd, 14th, 19th & 28th acquired by reference to nearby stations. Jan. corrected for snow.

Position of Station on reduced Ordnance Survey Map. } No. of Map..... Reference No.....
1 mile to 1 inch Series

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

Station No. TF. 3544

RAINFALL at Weardale W.W. (Wasserkirch)

41

County of Durham

Observer J. A. Rodwell Esq. C.E.

River Basin Tees - 2

Type of Gauge

Annual Average 33.1 in. based on 32 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 660612/26

Diameter	8"		022	085							
Height	11'				1						
Altitude	1149'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-1950 151-160
January	3.58	2.82	3.39	1.92	5.70	2.44	2.49	9.13	1.58	2.49	35.04
February	5.69	2.06	1.96	3.14	2.70	1.52	(4.38)	2.22	1.80	4.39	29.91
March	2.94	1.58	1.99	.88	1.69	1.74	8.28	1.88	1.27	.95	20.60
April	1.65	1.47	2.15	1.43	2.85	1.51	5.58	2.36	1.93	2.57	23.50
May	1.82	1.60	3.12	2.21	4.10	3.12	2.25	1.85	1.13	2.29	23.39
June	.49	1.90	1.74	2.08	3.01	2.27	4.05	5.37	1.50	1.18	22.59
July	2.56	3.26	2.00	2.34	2.24	3.94	2.90	1.20	2.51	3.83	26.77
August	2.42	3.01	5.60	1.63	4.73	4.40	2.20	4.68	3.16	5.56	35.39
September	.83	3.37	3.12	6.40	1.68	4.57	1.92	3.10	4.08	4.94	33.51
October	3.87	2.73	2.39	5.03	4.17	1.60	1.34	1.93	3.62	1.85	28.33
November	3.45	.90	2.88	6.61	1.32	6.04	3.05	1.92	5.12	6.40	37.49
December	.83	2.80	1.63	2.75	2.21	3.22	3.00	3.12	4.72	3.14	27.42
TOTALS	29.63	27.09	30.97	36.42	35.40	36.37	39.44	37.36	32.27	39.59	344.94

1941 Feb. mean for season.

1947 Feb. March mean for season.

20004

10

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. 3544

T.F. 88

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RAINFALL at Weardale W.M. (Waskerby)

County of Durham

Observer J. D. Redwell Eng. C.E.

River Basin Wear - 2

1/1/54 AC WINDSMITH, Esq. C.E.

Type of Gauge M.O.

Annual Average 33.1 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " " 35.57 " " 39 " Within 1916-56 " " 1916-1950 S
 File No. 66067/26 E22554/58

Diameter	8"	022	085								
Height	1' 0"			1						9"	
Altitude	179'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means 1956-60
January	2.09	5.63	.76	3.42	3.20	4.39	2.97	2.46	(3.22)	5.83	33.97
February	3.09	1.60	1.68	2.63	3.00	(4.47)	3.06	4.62	.31	3.44	27.80
March	4.84	1.69	.28	2.22	2.00	2.07	1.84	2.78	1.15	3.56	32.43
April	2.54	2.01	3.36	.90	4.3	1.67	.60	1.48	2.60	1.53	17.12
May	4.74	2.01	3.38	6.34	2.25	.85	1.75	3.78	.82	2.51	27.43
June	1.41	1.54	4.80	2.06	2.73	3.94	1.82	4.00	2.32	.62	25.24
July	2.12	1.60	2.50	1.82	1.32	3.34	4.17	3.37	1.35	6.12	27.71
August	5.19	4.12	5.71	8.99	1.08	9.85	5.40	3.77	.93	3.98	49.02
September	2.08	5.07	2.78	3.32	1.35	3.70	4.25	2.76	1.23	3.37	29.91
October	.94	5.53	2.38	6.38	2.22	2.33	2.39	2.34	1.95	11.35	36.81
November	8.85	3.75	2.17	5.87	2.23	1.28	2.46	0.56	5.90	4.13	37.20
December	4.42	3.12	1.32	3.21	3.97	3.81	2.38	5.08	5.60	2.99	35.90
TOTALS	42.31	37.67	31.12	45.06	25.78	41.70	33.09	37.00	27.38	49.43	370.54
	D	D	D	D	D	D	D	D	D	D	10

1956. Feb. part est M.O.3 Eng agrees

20004

40004

1956. Mar. 1957 New gauge installed. Old one in poor repair.
 July 1957 B.O.X. g. not suitable properly. Small errors overfalls slightly. Also
 overpassed all directions except E-S.

1960 Tufnif wall with 24' square fence removed on the original site.

Position of Station on Ordnance One-Inch map :

No. of Map 84

National Grid Reference 451022444

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D. or d	C1895	1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓	✓
	✓		✓	✓	✓	