

RAINFALL AT Weardale Smiddy Shaw

Lat.

Len.

County of

Durham

Rain Gauge, by

Observer

R Askwith Esq CL

Tyne 3

Darby

Diameter							8				
Height							1.3				
Altitude							1128 ft				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						4 5.37	.93	1.70	1.84	5.38	
February						1.86	.58	1.77	2.22	1.82	
March						3.20	3.83	5.22	2.20	1.44	
April						1.93	1.27	2.05	2.50	3.71	
May78	.70	1.63	2.40	4.51	
June						2.74	2.02	3.65	2.18	1.19	
July						6.93	2.73	1.01	1.00	4.15	
August						2.86	2.69	3.46	2.61	.85	
September47	4.37	2.94	.88	3.21	
October						5.19	5.06	1.81	6.86	2.57	
November						4.41	1.95	2.20	2.92	3.26	
December						3.53	4.97	3.05	2.90	3.10	
TOTALS						39.27	31.10	30.49	30.51	35.19	

 1895 January 1st New Gauge

Stanhope Church 5 miles S.S.W

Muggleswick . 3 . N

RAINFALL AT Consett W.W. Smiddy Farm

Lat.

Lon.

County of

Durham

Rain Gauge, by

Observer

R. Askwith Esq. C.E.

Tyne, lower - 3.

Diameter ..	8										
Height ..	0.9		1.3								
Altitude ..	1128 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	4.20	2.03	1.18	3.90	2.61	.58	3.33	1.06	1.89	1.79	2.257
February ..	9.07	1.03	1.54	3.48	3.44	1.21	1.58	1.54	2.35	2.07	2.731
March ..	1.79	3.66	1.69	3.64	3.18	2.65	1.64	1.80	5.30	6.24	3.159
April ..	1.74	1.73	1.83	1.69	2.00	3.59	2.35	2.03	4.04	2.87	2.387
May ..	1.73	2.10	2.65	3.39	3.06	1.09	5.17	4.07	2.93	2.14	2.833
June ..	3.85	1.61	2.82	2.29	1.86	1.05	1.20	3.94	.66	3.83	2.301
July ..	1.54	3.48	3.88	5.05	2.45	.88	.97	2.09	2.55	2.43	2.532
August ..	7.19	2.18	1.98	2.67	3.28	4.15	4.05	2.06	2.42	4.10	3.408
September ..	.91	1.66	1.20	3.28	.80	2.85	1.24	.33	2.90	2.77	1.794
October ..	5.99	2.81	3.78	9.80	.93	2.61	4.58	7.31	3.11	2.95	4.387
November ..	3.91	5.56	2.44	1.93	2.31	5.90	4.60	2.64	1.73	.92	3.194
December ..	3.16	2.56	3.43	2.21	2.31	1.12	2.06	5.07	1.14	4.20	2.726
TOTALS ..	45.08	30.41	28.42	43.33	2823	2768	3277	33.84	31.02	36.31	33.709 643

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RAINFALL at Weardale Water Works Smiddy Shaw

County of Durham

Observer R. Askwith Esq. C.E.

River Basin Tyne. Lower 3

H. Robinson Esq. C.E.

Rain Gauge, by _____

Diameter ...	8										
Height	1 3										
Altitude ...	1128 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS, Totals
January ...	4.01	1.86	4.64	4.38	1.84	2.35	2.49	7.02	2.99	4.29	16.79
February ...	2.96	1.07	3.85	1.45	2.11	3.81	5.00	1.00	3.18	2.63	11.76
March88	3.39	3.49	5.40	1.89	2.06	6.09	2.49	2.03	4.50	15.11
April	2.77	1.41	.33	3.82	1.20	.87	2.08	2.61	1.81	1.76	8.26
May	2.48	.93	3.25	2.65	1.50	2.12	4.96	2.00	2.04	1.48	10.48
June	1.41	4.05	6.13	1.33	3.98	.84	2.29	2.79	.62	1.01	6.71
July	3.34	.57	5.25	1.84	1.67	3.27	4.28	1.57	3.44	1.97	11.26
August	4.41	2.97	7.48	1.54	1.76	4.11	3.22	8.20	2.25	3.06	16.73
September ..	.57	2.49	2.93	3.77	1.78	1.63	2.23	1.29	6.66	1.43	11.61
October ...	3.11	3.54	2.81	4.60	2.55	1.13	3.99	3.16	3.33	5.23	15.71
November ...	3.21	5.01	1.90	1.49	5.12	2.09	4.16	1.95	1.66	5.21	12.98
December ...	3.18	5.10	3.65	1.12	6.93	7.41	3.75	3.75	3.28	3.76	14.76
TOTALS ...	32.33	32.39	45.21	33.39	32.33	31.69	44.54	37.83	33.44	36.35	152.16
	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 Smiddy ShawCounty of DurhamObserver H. Robinson Esq. C.E.River Basin Tyne - Lower B.

Durham County Water Bd.

Gauge Rain Gauge, byAlso somewhat { 18.26 } 18.26
measure correct

Diameter ...	2	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 TOTALS
Height	1.3												
Altitude ...	1128												
Year													
January ...	3.76	5.68	4.39	1.27	2.13	2.85	3.23	2.05	5.08	2.05	4.51	36.75	
February ...	2.62	2.20	2.67	4.77	1.02	4.27	2.53	1.25	1.67	1.68	2.13	24.81	
March	3.96	1.56	2.15	2.85	1.21	2.34	.60	2.77	4.38	.19	(3.88)	25.56	
April	4.31	1.73	2.74	2.09	1.61	4.27	1.76	2.31	.96	1.76	2.87	26.41	
May	4.22	1.65	.63	2.60	5.84	3.62	2.45	1.85	1.90	1.53	1.44	27.73	
June	1.14	4.48	1.30	1.13	2.49	.15	4.49	3.45	5.48	1.49	1.60	27.10	
July	4.37	2.10	6.20	2.31	4.82	2.00	3.51	4.68	1.51	3.45	7.60	42.55	
August	2.14	6.14	2.72	4.91	2.64	3.50	2.59	7.30	4.60	3.15	4.83	44.52	
September...	1.77	4.98	4.78	2.68	3.56	3.25	3.41	5.20	1.31	1.24	4.52	32.70	
October.....	2.68	2.16	1.80	2.98	4.53	3.24	3.23	2.30	4.78	2.48	2.90	33.08	
November...	1.86	2.95	1.28	5.52	2.18	2.32	5.05	3.38	4.26	2.83	3.71	36.34	
December...	4.34	2.10	5.00	3.85	3.75	6.42	.90	6.23	1.85	4.64	3.49	43.27	
TOTALS...	37.17	28.43	35.66	36.86	35.85	37.93	33.75	42.7	37.78	27.49	(43.05)	396.74	

Inspected 13-9.18.26. Is in kitchen garden at corner of reservoir. House at distance to N of trees away to E + W. To S. there is a low hedge, field + reservoir. Excellent exposure.

1930 branch adjusted for snow.

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 Weardale W.W. (Smiddy Shaw).

County of Durham

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

River Basin Tyne - lower - 3

J.A. Reddick, Esq., C.E. - (1938)

Type of Gauge

Annual Average 34.1 in. based on 32 years obs un-weighted. Period of average 1931-1938 Ref. 660612/26.

Diameter	8.											
Height	1.3.											
Altitude	1128.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means 1931-38	
January	2.67	1.97	1.95	2.22	1.96	4.87	4.52	3.02	5.91	(2.55)	31.64	
February	1.99	1.19	4.48	3.39	5.55	3.63	5.13	1.86	2.01	3.16	29.39	
March	1.93	2.33	1.35	4.62	1.48	2.52	4.97	.85	4.38	3.18	27.61	
April	4.03	2.98	1.60	5.68	3.46	2.10	2.68	.27	1.40	1.47	25.67	
May	3.02	4.09	3.09	1.87	1.27	2.01	3.67	3.09	1.74	1.21	25.06	
June	4.78	1.14	2.43	3.38	3.28	4.01	1.01	2.79	2.93	.77	26.52	
July	4.47	3.93	2.08	3.26	.98	2.84	2.14	2.80	4.15	7.13	33.78	
August	4.60	1.98	1.49	3.29	1.55	1.86	2.51	3.27	6.57	.97	28.09	
September	2.87	2.67	2.97	1.87	5.43	3.25	2.31	2.10	2.32	1.86	27.76	
October	1.13	4.82	4.59	4.89	5.02	1.95	2.70	4.81	7.09	4.88	41.88	
November	3.36	1.40	3.44	2.87	5.40	3.60	1.63	4.05	4.00	4.37	34.12	
December	1.23	1.45	1.78	4.91	1.86	2.10	6.48	4.79	1.81	3.04	29.75	
TOTALS	36.08	29.95	31.25	39.25	37.24	34.84	40.05	33.70	44.31	34.59	361.26	V 38

1940. Rain 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 from gauge	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. TF 3553

41

RAINFALL at Weardale W.W. (S. Smiddy Shaw)

County of Durham

Observer J.A. Radwell Esq., C.E.

River Basin Tyne - Lower - 3

Type of Gauge.

Annual Average 34.1 in. based on 32 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 662612/26

Diameter	8"	218	196								
Height	1' 3"		1								
Altitude	1128'		44								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50 707.15
January	4.64 (3.40)	4.12	1.98	5.06	2.24	2.85	9.53	.98	2.55	37.35	
February	(6.54)	2.84	1.84	2.72	2.47	1.27 (5.86)	2.08	1.57	5.76	32.95	
March	3.73	2.60	.98	.99	.62	2.02	7.77	1.85	1.94	.98	22.78
April	1.80	1.52	1.97	1.50	2.49	1.58	5.43	1.62	2.16	2.22	22.29
May	2.13	1.77	3.47	2.32	4.42	2.58	2.27	1.69	1.07	2.37	24.09
June	.48	2.13	1.60	2.01	3.36	2.28	4.23	4.66	1.14	1.23	23.12
July	1.99	2.63	2.16	2.40	2.23	4.48	3.30	1.33	2.50	3.65	26.67
August	2.33	3.18	5.44	1.84	4.93	4.45	.21	4.31	3.29	5.58	35.56
September	.52	3.32	3.11	5.71	1.96	4.27	1.91	2.82	3.51	4.21	31.44
October	3.79	3.03	2.51	4.66	4.17	1.41	1.51	1.51	3.35	1.71	27.65
November	4.29	1.04	2.70	6.38	1.31	5.75	2.68	1.63	5.11	6.10	36.99
December	.73	2.51	1.91	2.74	1.97	2.84	2.49	3.01	4.28	2.11	24.59
TOTALS	32.97	29.97	31.81	35.15	34.99	35.17	40.51	35.54	30.90	38.47	345.48

1941. Jan. 2 Feb. 1 cond. for snow.

20004

1942. Jan. cond. for snow.

1947 Feb. cond. for snow.

20004 60004

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	Parish Church.	Distance from gauge

Station No. 3553

T.F. 48

RAINFALL at Heardale 10.10 (Glinny Shaw)

County of Durham

Observer

J. D. Roddell, C.E.,

River Basin Tyne Lower 3

11/54 A - WILSMITHES 52. C.E.

Type of Gauge Glazier No. 111.

Annual Average 34.61 in. based on 32 years obs. un-weighted. Period of average 1981-1915 Ref. S
 " 35.39 " 30 " 1927-56 " " " 1916-50 " " " File No. 660612/26 B12554/55

Diameter ...	8"	018	196								
Height ...	1' 3"			1		1'		1' 0"		11"	
Altitude ...	1128'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.58	3.22	-65	3.16	2.64	4.08	2.63	(2.58) 3.21	4.93	29.68	
February	3.49	.55	2.20	2.68	2.86	(3.92)	3.25	(4.26) 3.5	3.74	37.80	
March	4.39	1.50	.18	2.00	1.92	1.31	1.45	3.04	1.18	2.62	19.59
April	2.39	1.78	2.97	.79	.50	1.20	.36	(1.48) 2.87	1.61	15.95	
May	4.73	1.79	2.88	4.71	2.24	.68	1.74	3.48	.80	2.19	25.24
June	1.53	1.48	3.67	2.08	2.80	3.35	1.88	3.68	2.48	.47	23.42
July	2.17	1.35	2.15	1.86	1.29	3.05	3.87	2.94	1.35	5.39	25.42
August	6.11	3.72	4.57	7.38	1.04	9.46	4.49	2.64	.69	3.46	43.56
September	2.03	4.70	2.10	3.10	1.29	3.32	3.66	2.59	1.23	2.98	27.00
October	.89	4.05	2.02	4.60	2.01	1.94	2.17	2.15	1.73	10.64	32.20
November	8.27	3.29	1.84	4.77	1.88	.97	2.08	.45	4.94	3.78	32.27
December	4.07	3.65	1.12	3.12	3.71	(3.43)	2.54	4.77	5.14	2.78	34.63
TOTALS ...	42.605	31.08	26.65	40.25	24.18	36.71	30.12	(34.06)	25.97	44.59	336.26
	9	D	D	D	D	D	D	D	D	D	

1956 Feb part of 1903 by agrees.

Decay for snows.

20014 64004

1956 Gang gauge gauge at 1' 0" always
 Pub. III 1957 3.80 K 3.5 in poor condition with leaks at flanges and no d. tube.
 Exposure satisfactory
 1957 - New gauge installed 1/11/59.

Sh. N. 26

Position of Station on Ordnance One-Inch map : No. of Map 84 National Grid Reference 105/009462

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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
C 1945	✓	✓	✓	✓	✓