

RAINFALL AT Weardale Smiddy Shaw

Lat. _____

Lon. _____

County of Durham

Rain Gauge, by _____

Observer R Askwith Esq C.E.

Type 3 Barley

Diameter						8					
Height						1 3					
Altitude						1128 \uparrow					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						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	
May .....						.78	.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	
September....						.47	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 Shaw

Lat.

Lon.

County of

Durham

Rain Gauge, by

Observer R. Ashworth Esq. C.E.

2nd class, lower - 3.

Diameter ..	8											
Height	0 9		1.3									
Altitude ..	1128 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
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	28.23	27.68	32.77	33.84	31.02	36.31	33.709	

H. H. H.

RAINFALL at Weardale Water Works Smiddy ShawCounty of DarhamObserver R. Ashwith Esq. C.E.River Basin Tyne Lower 3H. 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	4.89	16.79	
February ...	2.96	1.07	3.35	1.45	2.11	3.81	5.00	1.00	3.13	2.63	11.76	
March .....	.88	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	7.45	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	3.48	3.78	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 Measdale Water Works Smiddy ShawCounty of DurhamObserver H. Robinson Ceg C.E.River Basin Tyne - Lower 3Durham County Water Bd.

Glasgow Rain Gauge, by
 → Beals somewhat 18.26
measure correct 18.26

Diameter ...	8												
Height	1.3												
Altitude ...	1128												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 Totals	
January ...	3.76	5.68	4.39	1.27	2.18	2.55	3.23	2.05	5.08	2.05	4.51	36.75	
February ...	2.62	2.0	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	(3.55)	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	1.52	1.44	27.73	
June	1.14	.48	1.30	1.13	2.49	.15	4.49	3.45	5.48	1.49	1.50	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	.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	2.88	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	3.82	3.71	36.34	
December...	4.34	2.80	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	42.77	37.78	27.49	(43.05)	396.74	

Inspected 9.18.26 by ls 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	Direction

RAINFALL at Weardale W.W. (Smiddy Shaw)County of DurhamObserver H. Robinson, Esq., C.E.River Basin Tyne - lower - 3J.O. Rodwell Esq., C.E. (1933)

Type of Gauge.....

Annual Average 34.1 in. based on 32 years obs. un-weighted. Period of average 1881-1912 Ref. S

660612/26.

Diameter	4											
Height	1.3											
Altitude	1128											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40	Mean
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	.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	3.35	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	6.78	4.79	1.81	3.04	29.75	
TOTALS	36.08	29.95	31.25	39.25	37.24	34.84	40.05	32.70	44.31	34.59	36.26	✓
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1940. Tan corrected for snow.

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	Direction

Station No. TF 3553RAINFALL at Neandale W.W. (Smiddy Shaw)

41

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 33 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 662012/26

Diameter	8"			218	196							
Height	1' 3"				1							
Altitude	1128'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50	1941-50
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	.89	.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	10

1941. Jan. 2 Feb. 1941 for snow.

1942. Jan. can't find for snow.

1947. 22 can't find for snow. 94 103 102 103

20004 40004

20004

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. 3553

RAINFALL at Wearside 10.10 (Midday Show)

51

County of DurhamObserver J. P. Rodwell Esq. C.F.River Basin Tyne Lower - 3

11/154 AC WILSON Esq. C.F.

Type of Gauge Glaisher No. 1112Annual Average 34.1 in. based on 32 years obs. un-weighted.Period of average 1881-1915Ref. S" " 35.39 " " 30 " " 1927-56File No. 640612/26 E22554/55

Diameter ...	8"											
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)	.35	2.74	27.80	
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	2.67	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	1.42	3.12	3.71	(3.43)	2.54	4.77	5.14	2.78	34.63	
TOTALS ...	42.65	31.08	26.65	40.25	24.18	36.71	30.12	(34.06)	25.97	44.59	336.26	10
	D	D	D	D	D	D	D	D	D	D	D	

1956 Feb part of 1903 - by agents.

Security for Snow

20014

64004

1956 Gage says gauge at 1' 0" above.

July 1957 3.85% in poor condition with leaks at flange and no d. take.
 Exposure satisfactory
 1957 - new gauge installed 1/11/57.

Shed 26

Position of Station on Ordnance One-Inch map :

No. of Map 84National Grid Reference 451039462

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
C 1975	✓	✓	✓	✓	
	✓	✓	✓	✓	