

RAINFALL AT Whittle Dene Filter (Newcastle W.W.)

Lat. Lon. County of Northumberland

Rain Gauge, by Observer A. L. Foster Esq. C.I.

Dyne, lower - 3.

Diameter ..						5					
Height ..						1 1					
Altitude ..					366	353					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..					1.36	.43	2.49	.46	1.58	1.31	
February ..					2.41	.83	.83	.95	1.31	2.18	
March					1.62	1.46	1.33	1.22	4.07	3.84	
April					1.59	3.00	1.47	2.32	2.38	2.62	
May					2.48	.81	4.11	2.97	2.30	1.71	
June					2.53	.98	2.19	3.36	.34	2.57	
July					1.26	1.54	1.11	1.66	3.16	1.59	
August					2.36	3.49	4.53	2.23	1.38	2.94	
September ..					1.10	1.92	.62	.62	2.30	1.70	
October ..					.79	2.32	4.09	6.48	2.02	2.13	
November ..					2.63	4.46	3.39	1.58	1.40	.56	
December ..					1.69	.70	1.61	2.85	.52	3.23	
TOTALS ..					21.72	21.94	27.77	26.70	22.76	26.38	

RAINFALL at Whitthe Dene Filters, Newcastle W.W.County of Northumberland

Observer

A. Forster Esq. a.s.River Basin Tyne Lower 3

Rain Gauge, by _____

Diameter ...	5											1910-19 Means. Totals
Height	1.1											
Altitude ...	353											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
January ...	2.09	1.63	2.87	3.26	1.63	2.41	1.63	3.74	2.06	3.07	10.60	
February ...	2.64	1.09	2.50	.85	1.40	2.07	3.21	.86	1.78	1.96	7.87	
March39	2.75	1.75	3.24	2.27	1.77	3.20	1.49	1.27	2.64	8.60	
April	2.33	1.65	.27	2.77	.85	.62	1.67	2.15	1.75	1.72	7.29	
May	2.20	.90	2.81	2.19	1.53	1.91	3.17	2.47	1.83	1.80	8.67	
June	1.46	4.22	5.08	1.60	3.72	.53	2.61	2.23	.77	1.23	6.84	
July	3.01	.85	4.17	.94	1.95	3.33	2.91	1.29	.71	2.50	10.21	
August	3.22	2.16	5.68	1.97	1.96	3.14	3.51	6.25	2.14	2.84	14.44	
September ..	.76	2.75	2.51	3.86	1.52	2.07	1.44	2.12	5.40	1.40	10.36	
October ...	2.89	2.57	3.05	2.59	2.15	.83	3.13	2.24	2.72	4.48	12.57	
November ..	2.64	3.23	1.62	1.72	3.60	1.62	4.21	1.20	1.23	4.32	10.96	
December ...	2.06	3.09	2.10	1.25	4.41	5.45	3.31	2.13	2.64	2.53	10.61	
TOTALS ...	25.69	26.89	34.44	26.34	26.99	25.75	34.06	28.17	27.30	29.39	118.92	

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

RAINFALL at Whittle Dean Filter, Newcastle W.W.

County of Northumberland

Observer A. S. Forester Esq, C.E. (act)

River Basin Zone - Lower 3

A. Hardecaste Esq. C.

Snawdon Rain Gauge, by
gal. won sand scarlet IX. 16
measured Corset.

Diameter ...	5											
Height	1	1										
Altitude ...	353											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN:	
January	2.78	4.79	2.89	1.05	1.91	2.07	1.92	1.55	2.78	1.99	3.17	26.82
February	1.38	1.14	2.51	3.37	1.04	2.77	2.65	.49	1.50	.87	1.53	18.25
March	2.82	1.74	1.62	1.33	.90	2.06	.98	2.43	2.57	.31	1.99	18.15
April	3.10	.98	2.37	2.00	1.61	1.85	.96	1.94	.75	1.69	1.92	19.17
May	3.68	1.60	.76	2.08	5.22	2.96	2.99	1.65	1.29	.89	1.16	24.28
June	1.16	.75	1.41	.92	2.32	.32	3.41	4.04	3.90	1.33	1.11	20.67
July	3.29	1.49	4.98	2.04	4.69	1.81	3.42	3.01	1.76	3.17	5.67	35.33
August	1.94	5.63	1.96	4.66	3.21	3.49	2.40	5.04	3.59	3.28	6.01	41.21
September	1.71	1.62	4.04	1.97	2.67	3.69	3.00	4.30	.87	1.04	2.24	26.95
October	1.77	1.98	1.39	1.96	3.38	1.86	3.29	1.51	3.35	1.76	2.40	24.65
November	1.21	2.41	.66	3.63	1.05	1.74	2.94	3.03	2.64	2.32	2.81	24.44
December	4.01	1.74	3.49	2.04	2.15	4.36	.59	3.26	1.99	2.77	2.15	28.55
TOTALS...	28.77	24.07	28.08	27.05	30.15	28.95	28.55	32.25	26.99	21.42	32.16	308.47

Inspected g.s. T. 18 R. 16. G.s. on grass-land some distance from filter beds, ground generally level and exposure excellent.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map _____ Reference No. _____

RAINFALL at Whittle Dene Filters (N'stly/W.W)

County of Northumberland

Observer A. Hardcastle, Esq., C.E.

River Basin Tyne - Lower - 3.

Newcastle & Gateshead W.C. (1928)

Type of Gauge

Annual Average 26.6 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. 2

660605/26

Diameter	5.											
Height	1. 1.											
Altitude	353.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1930-40 Mean 1931-35	
January	2.07	1.01	1.35	1.72	2.16	3.31	2.84	1.69	4.37	1.60	2.212	
February	1.44	.64	3.51	3.2	3.10	2.97	3.38	.83	1.06	1.59	1.824	
March	1.00	2.37	1.12	3.88	.76	2.03	2.46	.47	3.61	2.82	2.052	
April	3.33	1.52	1.40	4.24	2.51	1.83	2.18	.24	1.24	1.35	1.984	
May	2.78	3.87	1.83	1.21	.94	1.94	2.49	2.78	1.22	.99	1.985	
June	4.09	1.09	2.57	2.66	2.71	2.61	2.10	3.40	2.38	.64	2.425	
July	4.62	5.44	1.78	2.81	.73	4.18	2.37	2.18	2.80	6.76	3.367	
August	4.20	2.60	2.23	3.12	3.04	2.69	2.05	2.20	3.02	1.12	2.627	
September	1.16	3.04	1.98	1.43	3.54	3.22	1.49	1.74	1.48	1.92	2.100	
October	.99	3.33	3.40	3.85	4.72	1.97	1.86	4.10	6.03	2.63	3.288	
November	2.54	1.08	3.32	3.03	3.48	2.93	1.05	2.78	3.29	2.55	2.605	
December	1.16	.96	1.40	3.29	1.69	1.96	4.67	3.26	1.25	2.73	2.237	
TOTALS	29.38	26.45	25.89	31.56	29.38	31.64	29.24	25.67	31.75	26.70	28.766	80
	D.											

1940. Jan. cont'd. for snows.

by

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

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

Station No. T.F. 3569

RAINFALL at Whittle Dene Tilstone (N'stly W.W.)

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County of Northumberland Observer Newcastle & Gateshead, N.C.

River Basin Tyne Lower - 3.

Type of Gauge.

Annual Average 26.6 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660695/26

Diameter	5"		017	260							
Height	1' 1"			1							
Altitude	353'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Tots/5
January	2.52	2.43	2.53	.81	4.18	1.36	1.53	2.75	1.12	1.92	26.15
February	4.61	1.47	1.20	1.85	1.38	.72	2.92	1.29	1.02	4.07	20.53
March	2.79	.93	.80	.48	.49	1.57	3.40	.83	.80	.80	12.89
April	1.41	.65	1.09	1.50	1.40	.88	3.29	1.85	1.19	2.17	15.43
May	1.91	.67	2.78	1.95	3.62	1.89	1.96	1.35	.63	1.60	18.36
June	1.19	1.29	1.71	1.91	2.59	2.11	3.41	3.56	.81	1.19	19.77
July	2.74	2.93	1.70	2.55	1.89	4.62	4.43	1.07	1.83	3.39	27.15
August	2.80	3.77	4.56	1.85	1.45	3.92	.24	4.90	2.16	3.88	29.53
September	.31	2.18	2.77	5.73	1.91	4.39	1.06	2.88	1.21	3.41	25.85
October	3.28	2.71	2.61	2.58	2.75	.93	.84	1.67	2.63	1.08	21.08
November	2.84	.49	2.26	5.73	.86	3.56	2.79	1.46	2.79	5.28	28.06
December	.38	2.07	.84	1.73	1.30	1.84	2.54	1.68	2.98	1.78	17.14
TOTALS	26.78	21.59	24.85	28.67	23.82	27.79	28.41	20.29	19.17	30.57	26.94

1941: Feb. omitted for snow.

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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

RAINFALL at Whittle Dene Filters

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County of Northumberland

Observer Newcastle & Gateshead W.L.B.

River Basin Lyne Lower 3

Type of Gauge.

Annual Average 26.6 in. based on 24 years obs. un-weighted. Period of average 1881-1916 Ref. S.
 27.91 " " 35 " " 1916-1950 1916-1950 P
 File No. 640605/26

Diameter ...	5"	017	260								
Height ...	1' 1"			1							
Altitude ...	353'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	1.70	1.97	.75	2.31	2.16	2.84	1.28	1.32	1.90	4.26	20.49
February	2.19	.52	1.40	1.49	2.15	2.35	2.18	3.06	.56	1.75	17.65
March	3.58	1.24	.20	.79	1.71	.75	1.43	2.23	.58	1.93	14.44
April	1.77	1.25	2.19	.78	.81	.92	.62	1.61	1.66	1.17	12.78
May	3.38	1.71	2.08	3.87	1.61	1.66	1.68	3.81	.25	2.15	21.00
June	1.57	2.04	2.17	2.19	2.16	3.75	1.91	3.25	1.81	0.35	21.23
July	1.48	1.91	2.50	2.18	1.56	2.48	2.92	3.92	1.12	4.83	24.90
August	5.04	2.43	4.32	4.83	.82	8.60	3.84	3.92	.29	3.80	37.89
September	1.13	3.01	2.24	3.54	1.22	2.69	2.96	1.98	.81	1.90	21.48
October	.74	2.67	1.55	5.40	1.23	1.91	2.12	1.40	1.73	5.61	24.96
November	6.37	3.31	1.11	2.81	.98	.58	1.66	.79	4.29	2.91	24.81
December	1.84	3.17	1.20	2.42	3.08	1.30	2.06	3.40	3.01	1.87	23.35
TOTALS ...	30.79	25.23	21.71	32.61	19.49	28.66	24.66	30.69	18.01	32.53	264.38
	D	D	D	D	D	D	D	D	D	D	10

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference NZ 145075675

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-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1904	✓	✓	✓	✓	