

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

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *A. L. Fenton Esq. C.E.*

Gage, lower - 3.

Diameter ..						5					
Height						1 1					
Altitude ..					356	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	.88	.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 ..					1.59	.70	1.61	2.86	.52	3.23	
TOTALS ..					21.72	21.94	27.77	26.70	22.76	26.38	

RAINFALL at White Don Filters, Newcastle W.W.County of NorthumberlandObserver A. Forster Esq. C.E.River Basin Tyne Lower 3

Rain Gauge, by _____

Diameter ...	5										
Height	1.1										
Altitude ...	353										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS. Totals
January ...	2.09	1.63	2.87	3.36	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	3.27	.86	1.78	1.96	7.87
March .....	.39	2.75	1.75	3.24	2.27	1.77	3.20	1.49	1.27	2.64	8.60
April	2.83	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	.92	1.95	3.33	2.91	1.29	3.71	2.30	10.21
August	3.22	2.16	5.68	1.97	1.96	3.14	3.51	6.25	2.14	2.52	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	24.39	118.92

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

RAINFALL at Whittle Dean Filters Newcastle N.W.County of NorthumberlandObserver A. L. Forster Esq B.E. (d.c.)River Basin Tyne - Lower 3A. Hardcastle Esq. COSnarson Rain Gauge, by
gal. iron sand covered. K.K. 16
measured correct.

Diameter ...	5													
Height	1.1													
Altitude ...	353													
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS	1920-30 Totals		
January ...	2.70	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	4.9	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	1.42	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	34.07	28.08	27.00	30.15	28.96	28.55	32.25	26.99	21.42	32.16	308.47		

Inspected 9.7.16. 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.

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

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

County of NorthumberlandObserver A. Hardcastle, Esq., C.E.River Basin Tyne - Lower - 3Newcastle & Gateshead W. Co.
(1928)

Type of Gauge.....

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

660605/26.

Diameter	5.										
Height	1. 1.										
Altitude	353.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1930-40 Means RMS
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	.32	3.10	2.97	3.38	.83	1.06	1.59	1.884
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	3.37	1.83	1.21	.94	1.94	2.79	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
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1940. Jan. Contd. 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

Station No. T.F. 3569

RAINFALL at Whittle Dene Filtens (N'wly W.W.)

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County of Northumberland Observer Newcastle & Gateshead W. CoRiver Basin Syne Lower - 3

Type of Gauge

Annual Average 26.6 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 660695/26

Diameter	5"											
Height	1' 1"											
Altitude	353'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means	
January	2.52	2.43	2.53	2.81	4.18	1.36	1.53	4.75	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	30.29	19.17	30.57	26.94	

1941: Feb. affording for now.

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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. 3569 T.F. 59

RAINFALL at Whittle Lane Filters

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County of Northumberland

Observer Newcastle & Gateshead W. Co.

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. 3

27.91 " " 35 " " 1916-1950

File No. 660605/26 P

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	2.54	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	1.46	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	2.45	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	24.36	
November ...	6.37	3.31	1.11	2.81	.98	.55	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	25.66	24.66	30.69	18.01	32.53	264.38	10
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NZ(45)075675

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-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1904	✓	✓	✓	✓	
	-	✓ but -20-25	✓	✓	