



RAINFALL AT Redewater Catchment

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Northumberland

Rain Gauge, by \_\_\_\_\_

Observer G Smith EsqN. Tyne H

Diameter ....	8											
Height .....	...						10					
Altitude ....	...			794								
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	4.24	2.81	2.26	1.25	4.03	2.99	1.75	3.60	1.40	5.20	5.016	
February ....	1.50	1.2	2.03	3.75	5.20	1.61	1.15		2.12	3.15		
March .....	2.36	3.10	1.29	1.13	3.10	4.68	3.90	5.89	2.05	2.50	3.000	
April .....	1.02	1.97	1.51	.60	1.35	1.88	1.75	2.23	3.00	5.96	2.124	
May .....	2.10	2.12	3.44	2.33	4.40	1.42	1.00	1.47	2.45	3.32	2.405	
June .....	3.71	1.25	4.72	3.05	4.15	1.58	3.55	3.39	1.82	1.16	2.838	
July .....	2.70	4.43	2.30	3.00	3.50	4.28	3.15	2.35	1.07	4.25	3.103	
August .....	5.47	6.66	4.80	3.35	5.50	3.85	2.05	4.75	2.80	.92	4.015	
September....	1.63	7.26	3.35	2.35	2.00	.45	5.15	2.97	1.65	2.70	2.951	
October .....	2.05	2.80	6.38	1.96	5.25	5.20	7.50	2.34	6.30	3.10	4.288	
November....	6.97	3.00	2.03	3.78	3.89	5.20	2.15	3.55	3.50	3.56	3.763	
December ....	2.72	6.98	1.26	3.60	3.02	2.83	5.95	5.96	4.90	3.12	4.084	
TOTALS . . .	36.47	42.50	35.37	30.15	45.39	35.97	39.05	38.50	33.06	38.94	37.540	

# RAINFALL AT *Redewater batcough* 3581

Lat. .... Lon. .... County of *Northumberland*

Rain Gauge, by .....

Observer

*G Smith Esq*  
*A. L. Foster Esq. Ch.*

*N. 29m-14.*

Diameter ..	8					5						
Height ....	10					10						
Altitude ..	794					819						
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.93	2.15	2.04	5.89	3.23	1.08	4.49	1.77	3.41	3.42	3.241	
February ..	3.55	1.55	2.10	3.94	3.33	1.84	2.44	2.31	1.88	2.84	2.578	
March ....	1.30	3.55	1.55	4.82	2.72	5.00	3.36	2.79	6.61	5.16	3.686	
April .....	2.80	2.45	2.23	1.13	2.96	3.99	1.20	3.25	2.79	4.40	2.720	
May .....	2.40	2.30	3.39	1.73	3.40	1.86	5.95	5.36	3.22	2.17	3.178	
June .....	5.02	1.95	2.16	1.10	1.25	2.02	4.88	5.48	1.64	2.45	2.795	
July .....	2.31	1.52	3.71	4.41	1.53	1.14	2.25	2.44	4.12	2.83	2.626	
August ....	5.38	3.50	2.18	3.88	2.72	4.24	6.08	3.29	2.71	2.57	3.655	
September ..	2.10	1.77	1.88	3.37	1.26	3.39	.92	1.07	4.78	2.75	2.329	
October ....	5.15	2.11	2.65	9.41	.92	3.54	7.05	6.36	3.95	6.04	4.718	
November ..	5.13	5.60	2.25	2.42	2.50	5.66	4.09	2.91	2.73	1.57	3.486	
December ..	6.45	3.23	5.05	3.19	2.92	2.16	2.77	5.66	1.81	5.29	3.853	
TOTALS ..	46.52	31.68	31.19	45.29	28.74	35.92	45.48	42.69	39.65	41.49	38.665	35.8

1905 Jan 1 Gauge moved

*Hub*



RAINFALL at Redewater CatchmentCounty of NorthumberlandObserver A. L. Forster Esq. C.E.River Basin North Tyne 4

Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	1.0										
Altitude ...	819										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS
January ...	3.48	3.69	4.39	5.15	5.03	3.04	6.68	5.53	4.74	5.14	22.09
February ...	5.24	3.86	3.76	2.90	5.30	6.43	4.78	1.26	4.14	1.99	12.17
March .....	2.06	4.50	5.35	7.22	4.80	2.16	4.58	2.58	1.29	3.90	12.35
April .....	3.18	3.05	.72	4.49	1.81	1.72	2.67	3.67	1.18	3.07	10.59
May .....	1.82	1.50	1.69	3.61	2.96	1.99	3.65	3.52	1.76	1.34	10.17
June .....	2.54	5.66	5.25	2.80	3.20	1.10	3.78	1.55	.60	1.65	7.58
July .....	5.40	1.16	2.57	1.03	2.47	3.83	4.40	1.89	5.42	1.57	13.28
August .....	6.46	3.08	6.02	2.04	2.46	2.50	5.00	8.43	2.25	5.53	19.21
September ..	1.11	2.86	3.37	1.71	1.36	2.07	2.70	2.58	6.72	2.06	14.06
October ...	3.86	4.58	5.64	3.70	2.25	1.60	6.82	5.45	6.06	4.86	23.19
November ..	4.66	7.53	4.29	4.47	6.73	2.67	7.90	3.36	2.26	7.34	20.76
December ...	4.02	6.21	7.16	3.57	9.61	7.61	3.84	2.65	3.20	6.71	16.40
TOTALS ...	43.83	47.68	50.21	42.69	47.95	36.72	56.80	42.47	39.62	43.96	181.85

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

RAINFALL at Redewater CatchmentCounty of NorthumberlandObserver A. L. Horster Esq. B.E. (dec.)River Basin North Tyne H.A. Hardcastle C.E. (1921)Snowdon Rain Gauge, by Casella 7728.

Diameter ...	5											
Height .....	10											
Altitude ...	819											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-29 Totals
January ...	4.87	7.01	4.46	3.00	3.44	3.83	4.75	4.81	8.63	2.36	5.71	52.87
February ...	3.63	4.3	3.67	6.58	1.44	6.50	3.89	1.95	3.49	1.31	1.91	34.80
March .....	4.51	3.53	3.00	2.48	1.04	3.21	1.83	3.88	5.80	.33	2.96	32.87
April .....	3.38	5.7	3.41	2.78	1.82	4.07	2.08	3.01	1.34	2.20	2.84	27.80
May .....	5.92	2.66	1.23	3.44	5.25	5.18	3.74	2.46	1.58	2.42	1.95	35.83
June .....	1.13	1.05	1.52	1.63	1.56	.28	3.43	3.74	6.55	2.16	2.02	25.07
July .....	3.59	3.63	5.39	2.82	5.02	1.84	3.58	3.70	1.98	6.32	5.56	43.93
August .....	3.66	5.99	3.21	6.75	2.48	3.78	3.53	6.53	6.59	6.35	6.74	55.61
September...	1.96	2.00	3.43	3.21	4.53	4.28	4.44	5.76	1.64	.97	4.53	36.75
October .....	2.63	3.11	2.10	5.50	3.79	3.18	4.56	4.49	6.20	4.08	4.72	44.41
November...	2.45	2.61	1.59	5.37	2.31	2.26	5.89	3.76	5.08	5.45	6.08	42.85
December...	5.27	5.44	5.65	3.42	5.68	4.57	.68	2.77	3.75	8.29	4.75	50.37
TOTALS...	43.15	38.63	38.66	46.98	38.86	42.98	42.40	46.86	52.83	42.24	49.77	483.16

Inspected 7.9.26. S. on grass land sloping down to river Redwater S.W. but with higher hills beyond. Dam to W. gives good shelter. To N trees & house at some distance away. To E trees some 50 yds away. Excellent exposure.  
S. with higher shield to W. about 1 yard in same enclosure (fine path with iron rails & quite open).

Position of Station on reduced Ordnance Survey } No. of Map

Reference No.

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

RAINFALL at Redewater (Catcleugh)County of NorthumberlandObserver A. Hardcastle, Esq., C.E.River Basin North Tyne - 4Newcastle & Gateshead W.C. (1938)

Type of Gauge

Annual Average 42.2 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. 5Adjusted to 1947.660605/26.

Diameter	5.										
Height	1.0.										
Altitude	819.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	3.22	3.97	3.15	4.30	2.66	6.57	5.54	6.04	7.37	2.19	4501
February	3.17	1.11	5.42	4.45	4.49	4.65	5.82	2.28	4.88	1.74	3391
March	2.14	4.15	1.53	5.74	1.77	4.21	4.87	2.11	5.11	5.26	3689
April	4.20	4.12	1.62	5.18	4.51	2.76	2.68	.51	2.33	2.11	3002
May	2.54	3.11	1.68	2.77	1.37	1.78	3.55	2.86	1.67	1.79	2312
June	5.23	1.40	2.00	2.41	4.26	2.71	1.89	5.09	3.45	.86	2930
July	5.14	3.54	4.53	3.60	1.67	6.14	3.02	5.96	4.79	9.10	4749
August	6.77	1.44	1.94	5.67	4.03	2.08	4.35	2.53	3.72	1.66	3419
September	2.07	6.14	1.43	3.42	5.08	5.46	3.09	2.57	2.12	3.35	3473
October	2.97	7.53	4.89	8.72	6.68	2.95	2.87	7.76	6.95	3.79	5511
November	6.76	1.70	3.66	3.41	5.18	4.82	1.05	7.60	5.97	4.90	4505
December	2.68	4.47	1.34	5.19	2.48	3.41	6.71	5.15	2.14	4.09	3766
TOTALS	46.89	42.68	33.19	50.86	44.18	47.44	45.44	50.46	50.50	40.84	45248
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

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, EXHIBITION ROAD, LONDON, S.W.7.



Station No. T.F. 3581

RAINFALL at Redewater (Cateclough)

41

County of Northumberland

Observer Newcastle &amp; Gateshead W.C.

River Basin North Tyne

Type of Gauge Standard

Annual Average 40.2 in. based on 39 years obs. un-weighted. Period of average 1881-1915 Ref. S

447

File No. 660605/31

Diameter	5"		0.10	6.58								
Height	1' 0"			1					1' 0"			
Altitude	319'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total 13	
January	4.88	5.39	6.42	3.70	6.75	3.71	4.68	9.21	2.82	2.98	50.54	
February	6.39	3.08	3.06	3.71	4.08	1.77	4.21	2.89	3.27	5.09	37.55	
March	3.64	2.64	2.22	.81	1.47	2.87	6.25	2.01	1.44	2.74	26.09	
April	1.61	1.79	2.37	1.94	2.50	.87	6.34	2.62	2.82	3.62	26.48	
May	2.24	3.05	6.42	3.41	4.39	1.84	2.73	2.36	2.05	1.74	30.23	
June	.78	1.19	4.08	4.18	3.53	3.50	3.47	5.58	1.00	1.99	29.30	
July	.95	4.60	3.16	3.25	2.60	5.19	4.46	1.95	2.05	3.72	31.93	
August	4.98	3.62	5.28	2.92	2.51	5.79	.23	2.70	2.42	5.74	41.19	
September	.57	4.09	3.54	5.61	4.07	4.52	1.91	2.05	1.60	7.17	37.14	
October	4.81	5.32	3.65	4.75	5.14	.98	1.24	2.81	6.01	3.48	38.19	
November	3.75	.73	3.69	7.58	.75	7.89	4.16	2.49	5.22	7.08	43.34	
December	2.17	3.91	2.22	4.33	2.74	4.03	2.58	4.42	6.44	3.07	35.91	
TOTALS	36.77	39.41	46.11	46.19	40.53	42.97	42.26	48.09	37.14	48.42	427.89	10

1947. Sept. low but conf. by obs.

1948. Insured by R.R. L. Campbell 31/10. Two gauges somewhat over-exposed how site selected for shielded gauge further to E. Report report in R.R.

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. 3581

TF 50

RAINFALL at Redewater (Hatchleugh)

51

County of Northumberland

Observer Newcastle &amp; Gateshead W. Co.

River Basin North Tyne - 4

Type of Gauge Snowdon (with Napier shield)

Annual Average 44.7 in. based on 23 years obs. un-weighted. Period of average 1881-1915 Ref. PR 595

44.15 " " 35 " " 1916-1950

1916-1950 File No. 260605/36 P

Diameter ...	5"			210	658							
Height ...	1' 0"				1							
Altitude ...	89'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	5.00	3.82	2.21	4.53	4.04	3.72	4.64	4.69	2.78	6.03	41.46	
February ...	3.81	.78	2.83	3.32	3.41	3.55	3.85	3.64	.81	4.97	30.97	
March ...	3.34	2.84	.65	3.85	2.17	1.21	2.50	2.42	1.94	2.21	23.13	
April ...	3.59	3.79	4.55	.95	1.19	1.15	.63	2.02	3.18	2.80	23.88	
May ...	3.53	2.48	2.87	6.88	4.15	1.63	2.47	4.69	.82	2.59	32.11	
June ...	1.36	2.57	4.58	2.38	1.37	3.77	1.78	3.59	3.59	1.94	26.93	
July ...	2.88	1.80	4.95	4.33	2.68	4.16	3.89	5.68	3.30	3.33	37.00	
August ...	4.93	5.70	4.20	7.37	1.20	8.04	6.90	4.00	.85	4.30	47.49	
September ...	3.75	4.02	4.58	5.06	2.79	2.65	3.09	3.59	.98	2.64	33.18	
October ...	1.26	6.01	2.26	7.64	4.02	2.85	3.82	2.69	2.95	5.24	38.74	
November ...	7.60	5.23	4.11	7.02	2.16	1.46	1.64	.87	7.17	4.80	42.06	
December ...	5.63	6.72	2.39	5.09	5.97	4.85	2.95	4.89	6.65	3.61	48.78	
TOTALS ...	46.68	45.76	40.18	58.42	35.15	39.13	38.16	42.77	35.02	44.46	425.73	10
	D	D	D	D	D	D	D	D	D	D		

(84 of Averages)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 36749031

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 1889	✓	✓	✓	✓	
	-	but - 21-25	✓	✓	