

RAINFALL at Long Newton ReservoirCounty of Durham ~~to~~ E. Observer S. R. Hollinson Esq. B.Sc. M.I.C.E.River Basin Tees & C. 1 Tees Valley Water Bd.

Rain Gauge, by _____

Diameter ...									5"		
Height									1' 0"		
Altitude ...									184		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN
January ...									3.56	2.26	2.80
February ...									1.28	.72	1.27
March									2.11	.14	2.74
April80	1.00	2.46
May									1.27	1.60	1.82
June									5.67	1.70	1.41
July									1.29	2.04	5.06
August									3.60	2.65	4.17
September...									.51	1.17	2.78
October									2.94	2.32	1.93
November...									2.69	2.78	2.72
December...									1.76	2.92	2.15
TOTALS...									26.58	21.33	30.81
									7	2	2

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1928	54° 32' 38"	1° 26' 29"						

RAINFALL at Long Newton ReservoirCounty of DurhamObserver G. R. Collinson, Esq. B.Sc. C.E.River Basin Tees & C. - 1.T. S. R. Winter, Esq. C.E. (1941)

Type of Gauge.....

Annual Average 25.5 in. based on 4 years obs. ~~un~~-weighted, Period of average 1881-1915 Ref. Tees
using Hartburn Lake and Riddulph (Albert Park)

670379/26.

Diameter	5.											
Height	1.0.											
Altitude	184.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.57	1.74	1.90	1.15	1.95	2.85	2.39	1.84	3.72	2.10	2121	
February	1.07	1.02	3.02	37	2.51	2.95	2.81	1.21	.85	1.83	1764	
March	1.12	2.21	1.63	1.70	.80	1.82	2.84	.18	2.26	2.25	1681	
April	2.76	1.20	1.22	2.97	3.18	1.24	2.10	.05	1.44	1.84	1800	
May	2.81	3.99	2.06	1.22	.85	1.74	2.79	3.24	1.40	1.23	2133	
June	3.36	1.19	1.58	2.08	2.59	3.67	1.25	2.11	2.32	.51	2066	
July	4.97	4.94	2.32	1.50	.63	3.45	.95	2.20	3.26	6.64	3086	
August	3.40	2.23	.35	2.58	1.92	1.88	1.09	2.28	2.13	1.04	1890	
September	3.46	2.51	1.21	1.73	4.77	4.24	1.56	1.51	1.15	1.22	2336	
October	1.00	3.22	3.76	2.49	3.81	1.42	1.74	3.38	4.60	2.96	2838	
November	2.27	1.15	2.93	1.96	4.10	2.41	1.98	2.49	2.78	3.29	2536	
December	1.03	.96	1.61	3.79	1.63	1.59	3.96	3.66	.87	2.09	2119	
TOTALS	28.82	26.36	23.59	23.54	28.74	29.26	25.46	24.15	26.78	27.00	26370	mm
	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

Station No. T.F. 3512RAINFALL at Long Newton Reservoir

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County of DurhamObserver T.S.P. Winter Esq. C.E.River Basin Teos. r. C. - 1

Type of Gauge.....

Annual Average 25.3 in. based on 4 years obs. unweighted. Period of average 1881-1915 Ref Teos.File No. 670579/26

E10079/49

Diameter	5"		032	474						5"	
Height	1' 0"			1						9'	
Altitude	184'			141						184'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	3.07	1.89	3.38	1.40	4.03	1.47	1.62	5.86	1.79	1.34	24.85
February	6.21	1.90	4.9	1.98	1.66	1.60	1.85	1.00	5.4	2.93	19.16
March	2.09	.93	.38	1.28	.34	1.10	3.91	1.32	.93	.65	12.93
April	.76	.70	1.12	1.95	.87	1.80	3.27	1.06	1.73	1.74	15.00
May	1.20	1.94	2.08	1.10	2.70	2.35	2.19	1.62	.77	1.12	17.07
June	1.08	.77	1.75	2.46	1.44	2.72	2.55	4.45	.78	1.27	19.77
July	.63	4.03	1.54	2.26	1.20	4.51	2.35	1.31	1.44	2.82	22.06
August	2.42	2.11	3.14	1.89	3.17	3.00	.31	3.40	3.03	4.68	27.15
September	.39	2.80	3.61	3.74	1.90	4.00	2.25	1.51	.86	2.88	23.94
October	3.43	1.91	1.79	2.74	3.15	2.54	.71	1.43	2.46	1.19	21.35
November	2.42	1.01	2.23	4.17	.91	4.80	1.67	1.38	3.17	5.56	27.32
December	.23	2.53	1.52	1.29	1.16	2.43	1.46	1.50	2.24	3.07	17.43
TOTALS	23.93	22.52	23.03	26.26	23.03	31.32	24.14	25.84	18.71	29.25	248.03

1941. Feb. covered for snow

1949 Gauge moved about 45 yds. SW on 9th May.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. 3512 *T.S. 42*RAINFALL at Long Newton Reservoir

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County of DurhamObserver J. H. R. H. Smith, Esq., C.E.
Yes Valley & Cleveland Water Bd.River Basin Lee & C. - 1Type of Gauge M.O.Annual Average 25.5 in. based on 4 years obs. or weighted. Period of average 1881-1915 Ref. Lee" " 25.64 " " 28 " " Within 1925-56. " " 1916-1950 " " File No. 510079/49 *5*

Diameter ...	5"											
Height ...	0' 9"										9"	
Altitude ...	184'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.70	1.93	.63	2.02	1.24	3.00	1.82	1.48	2.15	4.75	21.32	
February ...	2.05	.37	2.22	1.75	1.55	2.07	1.78	3.37	.77	2.21	18.14	
March ...	3.20	1.18	.10	1.50	1.39	.55	.85	1.62	.54	2.02	12.85	
April ...	1.53	1.88	2.14	.31	.96	.75	.26	1.39	1.54	.62	11.38	
May ...	3.09	1.39	1.74	2.83	1.95	.37	1.97	2.74	.64	1.24	17.96	
June86	1.02	2.32	2.36	2.50	3.00	2.50	2.57	1.97	.39	19.49	
July ...	3.02	1.37	3.18	2.42	.97	3.24	3.67	2.77	1.27	4.96	26.97	
August ...	6.03	2.27	3.40	4.67	.59	6.58	2.75	3.98	.23	2.62	33.12	
September82	3.99	1.54	1.83	1.24	2.45	3.28	1.79	1.06	2.52	20.52	
October ...	1.36	2.44	1.74	4.03	1.71	1.32	1.86	1.23	.91	5.69	22.29	
November ...	4.94	2.89	1.39	4.24	2.24	.77	1.48	.84	3.52	3.00	25.41	
December ...	3.36	1.75	.79	1.55	2.53	2.04	1.58	2.88	2.36	2.60	21.44	
TOTALS ...	31.96	22.48	21.19	29.51	19.57	26.24	23.80	26.56	16.96	32.62	250.89	
	D	D	D	D	D	D	D	D	D	D	D	

Inf. III 1959/59%. Exposure satisfactory but (yes W-NW) may overstate later

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NZ 45 36264

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1928	✓	✓	
		✓	✓	✓	