

RAINFALL at Long Newton Reservoir
 County of Durham. ~~Co.~~ Observer G. R. Collinson Esq., B.Sc., M.I.C.E.
 River Basin Tees & Co. 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. MILLIM.
January ...									3.56	2.26	3.80
February ...									1.28	.72	1.27
March									2.11	.14	2.74
April.....									.80	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	3.78
October.....									2.94	2.32	1.93
November...									2.69	2.78	2.72
December...									1.16	2.92	2.15
TOTALS...									26.58	21.33	30.81
									D	D	D

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"	102° 29'						

RAINFALL at Long Newton Reservoir

County of Durham

Observer G. R. Collinson, Esq., C.E. ^{BSc}

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. unweighted Period of average 1881-1915 Ref. Tees
using Hartburn Lake and Newcastle (Albert Park) 670379/26.

Diameter	5.										
Height	1.0.										
Altitude	184.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.57	1.74	1.90	1.15	1.95	2.85	2.39	1.84	3.72	2.10	21.21
February	1.07	1.02	3.02	1.37	2.51	2.95	2.81	1.21	.85	1.83	17.64
March	1.12	2.21	1.63	1.70	1.80	1.82	2.84	.18	2.26	2.25	16.81
April	2.76	1.20	1.22	2.97	3.18	1.24	2.10	.05	1.44	1.84	18.00
May	2.81	3.99	2.06	1.22	.85	1.74	2.79	3.24	1.40	1.23	21.33
June	3.36	1.19	1.58	2.08	2.59	3.67	1.25	2.11	2.32	.51	20.66
July	4.97	4.94	2.32	1.50	.63	3.45	.95	2.20	3.26	6.64	30.86
August	3.40	2.23	.35	2.58	1.92	1.88	1.09	2.28	2.13	1.04	18.90
September	3.46	2.51	1.21	1.73	4.77	1.24	1.56	1.51	1.15	1.22	23.36
October	1.00	3.22	3.76	2.49	3.81	1.42	1.74	2.38	4.60	2.96	22.38
November	2.27	1.15	2.93	1.96	4.10	2.41	1.98	2.49	2.78	3.29	25.36
December	1.03	.96	1.61	3.79	1.63	1.59	3.96	3.66	.87	2.09	21.19
TOTALS	28.82	26.36	23.59	23.54	28.74	29.26	25.46	24.15	26.78	27.00	26370
	D.	1110									

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	Direction

Station No. TF. 3512

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RAINFALL at Long Newton Reservoir

County of Durham

Observer

T.S.R. Winter Esq. C.E.

River Basin Tees r.C.-1

Type of Gauge

Annual Average 25.3 in. based on 4 years obs. unweighted. Period of average 1881-1915 Ref. Tero

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
January	3.07	1.89	3.38	1.40	4.03	1.47	0.62	5.86	0.79	1.34
February	6.21	1.90	4.49	1.98	1.66	1.60	1.85	1.00	1.54	2.93
March	2.09	.93	3.38	1.28	3.4	1.10	3.91	1.32	1.93	1.65
April	1.76	.70	1.12	1.95	87	1.80	3.27	1.06	1.73	1.74
May	1.20	1.94	2.08	1.10	2.70	2.35	2.19	1.62	.77	1.12
June	1.08	.77	1.75	2.46	1.94	2.72	2.55	1.65	1.78	1.27
July	1.63	4.03	1.54	2.26	1.20	4.51	2.35	1.31	1.44	2.82
August	2.42	2.11	3.14	1.89	3.17	3.00	.31	3.40	3.03	4.68
September	.39	2.80	3.61	3.74	1.90	4.00	2.25	1.51	.86	2.88
October	3.43	1.91	1.79	2.74	3.15	2.54	.71	1.43	2.46	1.19
November	2.42	1.01	2.23	4.17	.91	4.80	1.67	1.38	3.17	5.56
December	.23	2.53	1.52	1.29	1.16	2.43	1.46	1.50	2.24	3.07
TOTALS	23.93	22.52	23.03	26.26	23.03	31.32	26.14	25.84	18.71	29.25

1941. Feb record for snow.

1949 Gauge round about 4 ft. 6 in. SW on 9th May.

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21.94

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. 3512

Tr. U2

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RAINFALL at Lang Newton Reservoir.

County of Durham

Observer F.S.R. Winterton Esq., C.B.

River Basin Tees & Co. - 1

Yeo Valley + Cleveland Water Bd.

Type of Gauge H.D.

Annual Average 25.5 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. 260
 " 25.64 " " 28 " Within 1922-56. " " " File No. E10079/49 S

Diameter ...	5"	032474									
Height ...	0' 9"	1									
Altitude ...	184'	51									
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.70	1.93	.63	2.02	1.84	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
June	.86	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
September	.82	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	2.84	.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	

Just. III 1959 7.69%. Exposure satisfactory but loses W-NW may overbalance later

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Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NZ4531264

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