

## RAINFALL at Waterfoot Coupe Reservoir

County of South Lancashire

Observer

W H Elce Esq CBE

River Basin Mersey - Well 3

W.H. Newton Esq (1917)

Rain Gauge, by

Diameter ...							5				
Height .....							1 0				
Altitude ...							1026				
Year ...	1910	1911	1912	1918	1914	1915	1916	1917	1918	1919	MEANS.
January ...						7.56	4.25	3.38	3.74	4.42	
February ...						7.54	5.67	1.35	6.69	1.87	
March .....						1.92	3.13	2.72	2.69	5.46	
April .....						2.34	3.45	1.89	1.16	3.57	
May .....						2.27	2.95	2.90	3.46	1.80	
June .....						1.01	3.54	2.66	1.86	2.08	
July .....						6.55	2.79	2.67	4.79	2.43	
August .....						5.06	5.31	8.07	4.30	5.12	
September ..						.89	3.01	2.29	12.69	2.63	
October ...						2.66	9.87	10.33	4.87	2.64	
November ..						2.18	4.28	4.96	2.98	2.91	
December...						10.00	3.42	2.35	10.68	8.62	
TOTALS ...						48.98	51.67	NR	59.97	43.05	

1707-19 recd. 20.1.22. Encd. x 22

Rejected from Survey. 4" low.

Date.	Lat. N.	Long. W	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.44.45	2.14.30	Waterfoot		1 1/8 m	S W	Wendleholme newhouse	1 1/2 m	S N S.

## RAINFALL at Waterfoot Coupe Reservoir

County of S. Lancashire

Observer W. H. Newton Esq. G.E.

River Basin Mersey-Travell S.

(1920-1929) + 1930 Survey (25)

Rain Gauge, by

F. W. Mozley, Esq. &amp; C. ('25)

Borough of Waterfoot (Bacup)

Diameter ...	5"										
Height .....	1	0									
Altitude ...	1026				1013						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.48	8.76	4.29	4.95	4.19	4.70	10.02	4.66	11.88	3.23	6.63
February ...	4.63	6.6	5.92	7.19	1.44	8.42	5.18	2.66	5.32	1.53	.93
March .....	4.26	4.29	4.39	2.68	2.24	1.89	2.67	5.05	5.20	1.56	3.12
April.....	7.54	1.65	3.40	4.77	2.63	3.53	2.11	3.87	1.68	1.60	4.00
May .....	6.08	4.10	2.53	4.81	7.12	6.69	4.40	2.60	1.64	3.81	1.87
June .....	4.35	4.1	3.27	1.43	3.21	1.13	3.37	5.25	5.51	1.79	1.86
July .....	9.06	2.24	6.06	4.61	5.69	2.14	3.27	5.58	2.57	3.41	6.72
August .....	3.26	7.54	6.09	7.03	9.47	4.99	5.31	9.34	6.32	5.55	8.09
September..	2.76	2.13	5.33	5.77	6.42	4.51	4.52	6.58	0.82	2.35	5.86
October.....	1.60	3.90	1.04	7.53	7.05	6.59	4.93	6.02	8.14	4.11	6.11
November...	1.94	3.60	4.25	7.97	3.46	2.90	8.70	5.42	8.58	9.26	7.34
December...	5.31	7.73	6.10	4.91	6.92	3.63	1.78	2.31	4.27	8.43	4.62
TOTALS...	55.26	47.19	52.67	63.65	59.84	50.12	52.26	59.34	64.96	49.93	57.45

1917-20 reduced 30.1.22 Edd x 1.22

*Rejected from survey as low.*

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

Date.	Lat. N.	Long.WW	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1921	53°40'45"	2°14'30"	Waterfoot	1 1/8 mi	S	Newchurch	1 1/8 mi	S
1927			Bacup	2 1/4 m.	E	Bacup	1 m.	S.E.

2911  
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## RAINFALL at Waterfoot (Cowpe Reservoir)

County of South Lancashire.

Observer F. W. Mostey, Esq., C.E.

River Basin Mersey- Irwell - 3.

Bacup Borough Council.

Type of Gauge. Snowdon. no 193

Snowdon. no 193

Annual Average ~~1931~~ in. based on ~~2~~ years obs., un-weighted. Period of average 1931 Ref. P. B. 356

Ref. ProB-356

706363/26.

Diameter	S.											
Height	1.0.											
Altitude	1013											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.90	5.31	3.43	4.02	1.97	5.58	3.97					
February	5.50	2.9	3.54	1.44	6.61	2.83	5.94					
March	7.5	2.79	3.76	8.75	1.52	3.19	2.65					
April	3.97	4.34	2.18	3.08	3.95	1.30	3.24					
May	3.62	5.23	2.67	4.65	1.30	.65	1.87					
June	7.20	1.13	2.73	2.78	4.15	4.04	2.16					
July	6.63	5.14	4.12	2.40	1.89	5.08	2.51					
August	7.22	1.10	2.03	4.15	1.36	3.24	3.01					
September	3.60	5.29	1.99	3.78	8.05	5.17	2.08					
October	2.81	5.34	4.95	5.70	7.74	4.69	2.14					
November	10.76	3.68	2.12	2.12	5.22	5.50	1.94					
December	2.30	3.43	.69	7.47	4.41	4.90	4.49					
TOTALS	59.26	46.09	34.21	48.17	46.17	36.59						
	2	3	2	2	2	2	2					

1934 Readings taken for compassion purposes with g on red soil N° 2911/1.

1935 To terminate at end of year

1935. n/p

1930 n/a check

1937 - check Record terminated 31/12/37

*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
1981			Waterfoot	1/8 m	NW	Hawchurch	1 3/8 m.	NW

RAINFALL at Waterfoot (Cottage Reservoir), ~~near site~~County of Wales.Observer Baump Borough Council,River Basin B-treary-Jewell.Type of Gauge Standard No 1937.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....

Ref.....

C1934

706363/26.

Diameter	5"										
Height		1' 0"									
Altitude		925'									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January				5.03	2.59	6.91	5.36	7.73	8.96	3.09	
February				.61	8.48	3.73	7.81	2.94	7.26	3.13	
March				4.46	2.00	4.14	3.55	2.05	3.76	3.73	
April				3.61	5.09	1.70	4.25	1.01	2.79	4.59	
May				4.69	1.60	.88	2.60	4.93	2.26	1.24	
June				3.52	5.13	5.00	2.93	5.80	4.57	1.03	
July				3.12	2.42	6.03	3.32	5.97	9.36	4.79	
August				5.10	2.43	4.17	3.78	4.95	3.68	3.00	
September				4.97	10.47	6.50	2.64	2.94	1.86	6.02	
October				8.00	11.04	6.46	3.19	14.64	3.30	6.61	
November				3.08	6.77	7.17	2.33	9.07	9.16	10.52	
December				9.08	5.82	7.30	5.45	7.43	4.88	6.13	
TOTALS				55.27	63.84	59.99	47.21	69.46	61.84	53.88	
				11.50	10	10	10	10	10	10	

N.B. To replace No 2911 rejected from Survey as too bad.

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
1930			Waterfoot	1m	N.W.	Hawchurch	1km

Station No. 2911/1

## RAINFALL at Waterfoot (Cowpe Reservoir) new site

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County of South Lancashire

Observer Blackpool Borough Council

River Basin Mersey - Infall - 3

Type of Gauge M.O. Snowdon 1950

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

C.1934

File No. 706363/26

Diameter	5"		560	711							
Height	1' 0"				1						
Altitude	925'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.82	3.46	3.33	7.29	4.64	6.87	5.51	13.07	3.76	4.43	
February	6.95	2.94	4.28	2.73	6.98	6.64	3.72	4.51	4.53	7.30	
March	4.94	4.99	1.76	1.91	1.87	1.80	9.23	2.35	2.98	3.58	
April	3.19	3.03	3.28	4.28	3.08	1.89	4.86	2.64	4.97	4.43	
May	3.92	4.61	4.33	3.69	5.14	1.58	2.63	2.65	3.74	2.54	
June	1.64	1.12	4.86	3.61	6.32	4.86	3.47	6.35	.69	3.03	
July	4.93	6.34	3.82	4.56	4.03	4.51	4.36	3.47	2.34	7.18	
August	9.02	6.49	8.80	3.92	4.38	9.24	.27	6.21	4.90	8.36	
September	1.20	3.50	6.42	7.50	3.74	9.66	4.07	4.25	2.35	10.30	
October	6.19	8.09	4.11	7.08	7.57	1.76	1.23	3.58	6.83	3.52	
November	4.04	1.47	4.20	3.95	.68	10.29	7.75	2.82	8.38	7.57	
December	3.51	5.55	3.27	6.70	4.57	5.46	4.71	5.62	9.13	3.09	
TOTALS	51.36	57.59	57.46	62.22	53.00	64.56	51.81	57.52	54.60	65.27	
	D	D	D	D	D	D	D	D	D	D	

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
1941			Waterfoot	1 m.	N.W.	Newchurch	1/4 m.	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 29441

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## RAINFALL at Waterfoot (Lancaster Reservoir)

County of Lancashire

Observer Bacup Borough Council

River Basin Mersey-Towerr - 3

Type of Gauge Snowdon

Annual Average 56.3 in. based on 57 years obs unweighted. Period of average 1881-1915 Ref. I.W.S.  
 " 58.98 " " 22 " within 1934-57. " " 1916-50 File No. 706363/28

Diameter ...	5"		560	711							
Height ...	1' 0"				1						
Altitude ...	925'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	6.39	6.84	2.36	5.36	5.07		5.95	5.98	4.59	8.03	
February	4.78	1.96	3.40	6.51	4.04		4.84	4.33	.93	7.32	
March	6.79	4.07	2.99	6.23	2.44		5.59	3.27	3.07	1.82	
April	3.39	5.22	4.64	.98	3.28		.59	2.02	4.22	3.77	
May	2.35	3.19	3.06	3.14	5.20		2.34	5.85	1.96	2.51	
June	1.49	5.29	4.07	4.47	4.57		2.29	5.29	4.52	1.79	
July	4.04	2.38	7.18	7.09	1.53		6.60	4.62	4.82	9.56	
August	6.55	6.69	6.04	8.45	1.23		7.32	4.71	.83	6.42	
September	4.67	5.02	5.55	6.36	4.71		7.36	6.74	.51	4.03	
October	1.11	6.22	3.07	11.63	3.12		8.67	5.60	6.73	6.90	
November	11.14	3.17	6.25	8.85	3.22		2.82	2.56	6.41	9.68	
December	10.95	5.30	2.52	9.26	7.42		5.79	6.27	11.57	7.00	
TOTALS ...	63.65	55.35	51.73	77.91	46.13		60.16	62.24	50.16	68.83	
	D	D	D	MR	D		D	D	D	D	

1952 - w/o big.

1953 - Pint.

1954 - w/o too late.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SD 1843204

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Waterfoot	m. N.E.	Newchurch	1/4 m. N.W.

Summary of Earlier Records from 10-year Sheets :

		1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d				C1934 ✓	✓	✓