

RAINFALL AT Eldale Chapel Home Reservoir

Lat. Lon. County of Cumberland

Rain Gauge, by Observer Meteorological Office

Eldale tc-1.

J. Stony Eg

Diameter ..						8					(Capitulum & Valley of 10 miles)
Height ..						10					
Altitude ..						600					
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						2.46	6.69	2.19	4.39	3.24	
February ..						2.74	3.35	2.05	3.49	4.34	
March ..						3.42	2.53	4.28	4.26	4.35	
April ..						3.31	1.40	2.78	2.61	3.36	
May ..						2.88	5.61	4.07	3.23	1.71	
June ..						1.60	1.95	5.39	2.17	3.12	
July ..						2.40	3.02	2.72	5.08	8.08	
August ..						4.24	5.21	3.80	5.96	3.70	
September ..						3.85	1.55	.43	4.99	3.04	
October ..						3.73	7.14	9.50	1.56	7.30	
November ..						4.08	4.79	4.61	3.58	3.26	
December ..						3.15	4.88	7.31	(3.50)	6.39	
TOTALS ..						37.36	48.12	49.13	(44.80)	51.89	

1909 Eldale Ch 2 miles N
 Meadgate St. 5 " N
 Cottage 30 ft high 40 yards SE
 1908 Dec^o estd. 22.XII.15. 6.9

> Daily values in liquid volume, shelf cs, r. 14.

RAINFALL at Udale Chapel House ReservoirCounty of CumberlandObserver J. Strong EngRiver Basin Eden & SolwayJ. Smith Hill Eng (ii)

M.R.O. (1915)

M.O.

Rain Gauge, by HicksJ. Ferguson for J. Strong (1915)

Diameter ...	8										
Height	1.0										
Altitude ...	600 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. 16/2/5
January ...	4.73	2.78	2.90	3.41	3.47	4.66	5.21	2.67	4.57	4.18	16.63
February ...	8.13	5.12	1.98	2.84	6.26	7.42	4.82	1.73	4.53	.72	11.80
March	3.17	1.87	5.92	6.55	4.60	2.42	2.15	2.38	7.54	3.67	8.74
April	3.56	4.56	1.08	5.11	1.97	3.45	4.49	2.28	1.11	2.97	10.63
May	3.19	3.29	2.61	2.97	3.28	1.39	3.57	1.94	1.93	1.11	8.55
June	2.12	6.19	5.49	3.27	1.83	1.20	3.40	2.76	2.42	2.97	11.55
July	6.24	7.75	4.27	1.09	4.75	4.18	5.38	1.18	4.20	1.61	12.37
August	6.11	2.97	5.87	2.86	2.68	2.58	2.92	7.10	4.84	4.52	19.18
September ..	1.00	2.87	2.50	2.21	2.29	1.31	2.69	4.90	10.54	2.50	20.63
October ...	2.25	4.76	5.13	4.09	1.61	1.91	9.01	7.19	6.34	2.58	24.82
November ..	4.07	4.87	5.19	4.69	7.27	1.52	6.43	6.57	3.85	5.05	18.90
December ...	7.58	9.17	6.86	5.19	8.45	7.51	4.75	2.74	6.18	6.56	20.23
TOTALS ...	52.15	49.20	49.80	43.28	48.46	39.55	54.80	42.44	57.05	35.74	184.03
	2	2	2	2	2	2	2	2	2	2	

1912 House 30' high 30' ds 5'

1910-15 Daily values in liquid volume, shelf C4, R. 14.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Mealsgate	5mi	N.	Udale	2mi	N.

RAINFALL at Uldale Chapel House ReservoirCounty of CumberlandObserver J. Slawny Esq., J. Waller Esq.River Basin Eden - SolwayM. O. Rain Gauge, by Nockes

Diameter ...	8										1920. MEANS.	1920-70 TOTALS
Height	1.0											
Altitude ...	620											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January ...	5.20	7.81	4.41	3.76	3.93	4.09	5.99	4.96	7.40	1.18	7.38	56.11
February ...	4.79	3.4	3.63	6.85	1.01	6.15	5.45	1.84	4.96	1.03	.69	36.44
March	7.46	7.01	1.84	1.14	1.95	2.45	1.94	3.66	3.89	.83	2.60	33.47
April	3.49	1.22	3.12	4.07	1.82	5.47	2.69	3.29	1.20	1.45	1.98	29.80
May	5.22	2.22	2.20	4.35	1.13	4.16	3.03	2.27	1.65	2.09	1.79	33.11
June	1.84	.69	3.68	1.73	3.01	.52	4.80	3.77	4.60	1.76	2.67	29.07
July	6.33	2.79	5.68	2.94	4.65	2.10	3.61	5.61	5.93	6.01	4.98	49.61
August	3.00	6.30	3.83	8.17	4.47	4.00	4.07	7.13	5.41	6.99	8.75	62.12
September...	2.37	2.05	4.20	5.88	5.69	4.80	4.89	8.07	3.47	1.75	2.65	45.82
October.....	1.62	4.95	1.73	8.23	4.31	5.04	3.84	4.67	8.03	6.62	7.05	56.02
November...	3.21	2.08	1.76	6.77	4.48	1.89	6.46	6.01	7.47	8.43	4.65	53.21
December...	3.40	7.44	5.55	4.30	6.89	4.67	1.52	2.09	3.65	9.86	4.37	53.24
TOTALS...	47.93	44.90	41.63	58.19	45.37	45.37	48.29	53.37	57.66	46.10	49.51	538.32

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

Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1911			Mealsgate	5 mi	N	Uldale	2 mi	N

RAINFALL at Uldale (Chapel House Res.)

County of Cumberland,

Observer T. R. Watters, Esq., etc.

River Basin Eden & Solway.

Type of Gauge.

Annual Average 4.2 in. based on 29 years obs. un-weighted. Period of average 1931-1938 Ref. S

664347/26.

Diameter	8.											1931-40 Means Totals
Height	1.0.											
Altitude	620.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	4.49	6.93	5.55	6.04	3.13	4.55	7.31	5.70	6.45	1.65	51.30	
February	4.80	.15	6.02	.23	6.57	3.64	4.91	1.61	5.18	.96	34.10	
March	.98	^{3.65} _{6.97}	3.51	2.74	1.36	2.22	3.04	2.80	3.43	6.09	29.82	
April	4.05	^{3.26} _{3.26}	2.27	4.02	3.82	1.27	2.12	.62	2.42	1.87	25.72	
May	4.84	3.02	3.58	4.06	1.09	1.37	2.24	2.73	0.80	2.08	25.81	
June	6.36	1.50	1.83	3.22	3.82	3.10	1.70	5.57	3.42	1.31	31.83	
July	6.42	6.86	4.28	2.17	2.67	5.33	3.68	5.27	5.83	7.16	49.17	
August	4.35	1.52	3.23	5.62	2.81	2.07	2.87	5.08	2.60	3.81	33.98	
September	2.51	7.26	1.00	4.16	6.62	5.52	4.27	2.69	2.20	5.55	61.78	
October	4.23	6.99	3.73	7.42	7.79	5.94	4.21	11.74	2.28	4.11	57.47	
November	5.81	3.14	1.63	1.47	4.28	6.06	1.21	9.49	7.28	5.68	45.95	
December	3.95	4.42	.94	6.69	2.61	6.44	2.29	4.62	2.27	4.93	39.19	
TOTALS	52.79	47.22	^{27.47} _D	^{+7.84} _D	^{46.57} _D	^{74.60} _D	^{39.85} _D	^{57.92} _D	^{44.16} _D	^{45.20} _D	46662	K

Decade 1933-1936 need. 3/38

1932 Monthly totals for Mar. & Apr. supplied by observer 3/38

1940 Jan. part est.

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

Station No. 3608

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RAINFALL at Ulldale (Chapel House Res.)

County of Cumbria and Observer J.R. Watkin Esq.

River Basin Eden & Solway - 1

Type of Gauge

Annual Average 14.2 in. based on 29 years obs. 1944-weighted. Period of average 1881-1915 Ref. S

File No. 66635.7/24

Diameter	8"			595	184						
Height	1' 0"					1					
Altitude	620'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means
January	1.52	5.69	5.76	5.94	4.62	5.31	(6.00)	6.69	4.53	3.18	4.923
February	6.22	2.14	4.87	2.39	5.33	3.45	(4.50)	2.74	3.69	5.32	37.65
March	3.26	1.56	1.88	.52	3.61	1.67	(5.00)	4.21	1.80	2.61	26.12
April	1.78	2.14	2.96	2.44	1.78	2.43	7.53	1.95	4.88	3.63	31.42
May	4.90	3.67	5.02	3.33	7.62	2.40	3.45	2.71	2.24	2.97	36.31
June	1.39	1.56	3.78	4.84	4.13	3.47	3.03	6.49	1.24	3.45	33.37
July	2.07	5.37	3.70	3.08	3.68	5.58	3.93	2.50	2.74	3.90	36.55
August	7.20	4.20	8.99	4.12	3.42	6.85	0.00	6.76	3.04	5.12	48.70
September	1.30	6.27	6.83	7.19	4.34	7.67	4.14	7.13	2.53	10.24	56.64
October	7.57	7.66	7.33	6.09	3.96	5.2	1.34	5.00	6.55	4.95	50.97
November	3.15	1.45	3.08	9.50	7.2	6.52	8.68	3.68	5.71	4.30	46.79
December	2.80	7.13	2.94	5.23	3.32	3.91	3.73	6.40	7.20	1.74	43.40
TOTALS	43.16	48.83	56.13	54.67	46.53	49.78	48.33	52.26	46.15	51.31	497.15

1947 Febest. Jan & March part est. for snow.

40004

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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
1941			Mealsgate	5 miles	N.N.W.	Ulldale	1 mile N.N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3608

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RAINFALL at Uldale (Chapel House Res.)

County of Cumberland

Observer J.R. Watters Esq.

River Basin Eden & Solway - 1

Waterworks, Tillers Works, Ulvergate.

Type of Gauge Standard Type

Annual Average ~~48.2 in.~~ based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S
 48.17 " " 35 " " 1916-1950 1916-1950 P
 File No. 664347/26

Diameter	8"			595	184				8"	
Height	1' 0"					1			8"	
Altitude	620'					51			620	
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means Total 10
January	5.04	3.79	2.34	3.60	2.64	1.79	4.52	3.61	1.84	5.12
February	4.78	1.48	1.45	3.57	1.78	.90	4.25	5.08	1.52	4.26
March	6.30	1.59	.72	2.77	1.38	1.07	3.23	.84	2.47	1.10
April	2.63	3.16	3.45	1.33	2.26	1.02	.90	2.33	3.68	2.76
May	2.70	3.43	2.22	4.24	3.20	2.86	2.01	3.69	2.21	1.78
June	1.43	3.70	1.93	4.96	3.85	2.32	2.15	3.26	4.30	1.24
July	4.35	4.15	6.92	5.66	2.27	5.79	3.87	2.80	4.02	4.68
August	4.38	7.06	4.94	5.77	2.21	10.34	5.45	6.46	.87	3.09
September	5.88	5.61	7.29	7.71	2.74	3.72	4.91	4.81	1.90	4.39
October	2.16	5.43	2.99	9.77	3.22	3.94	5.12	4.57	5.03	3.21
November	10.88	2.69	6.35	8.17	2.02	2.62	1.95	1.82	6.50	7.06
December	9.41	5.04	2.96	5.67	6.30	5.59	4.90	4.02	7.74	3.56
TOTALS	59.94	47.02	43.56	63.22	33.87	41.96	43.26	43.29	42.08	460.45
	d	D	D	D	P	d	D	D	D	10

Inspited 13.960 by H.H. Blottor. S = poor condition. Unsatisfactory site on N slope of down. alt. 1,553 ft.
 Only possible alternative 60 yds to NW of bottom of embankment NY(35) 26036: 5.12 m. near gauge.

1960 n.p. low

(Bk of averages)

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NY(35) 260357

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Uldegate	5 mil NNE	Uldale	1 mil NNE

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
		✓	✓	✓	✓	