

RAINFALL AT

Wet Pledale

Wickham

60

Wm Hindson

Rain { By

Gauge { Diameter..... 8 in.

Height above Ground, ... 1 ... ft. in.

Above Mean Sea Level, ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January								10.75	14.50	14.75	
February								8.00	13.00	18.00	
March								7.00	12.50	(6.00)	
April								11.75	6.75	(6.00)	
May								4.75	4.50	3.50	
June								6.75	2.50	(4.00)	
July								8.50	2.50	5.00	
August								6.75	10.00	3.50	
September ..								5.75	4.25	25.25	
October								7.75	9.50	16.00	5.00
November ...								10.50	1.75	7.50	9.25
December								15.75	5.75	14.75	19.50
TOTALS.....								87.00	108.75	113.75	

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1869 Ann. of 19 June 1872 11.19

RAINFALL AT *Shap Net Sleddale*

Lat.

Lon.

County of ...

Westmorland

Rain Gauge, by ...

Observer ...

G. J. Appleton

Diameter	8											
Height	1											
Altitude	1500											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	15.00	3.50	18.75									
February	12.50	10.25	11.75									
March	3.75	2.00	5.50									
April	7.25	4.00	3.75									
May	0.25	1.25	3.25									
June	9.00	13.00	8.50									
July	2.50		5.75									
August.....	4.75	11.75	7.25									
September.....	0.50		9.50									
October.....	16.00	7.25	6.25									
November.....	0.50	2.50	8.25									
December.....	5.00	7.75	7.25									
TOTALS	101.00	63.25	95.75									

1871 - Gauge suspected of leaking, the amount being so low.

1872 Gauge moved and away for repair, the amount seems small.

1872 "The Gauge is sheltered on the N & NW by a hill and on " "the S & SW & E is an open plain. it registers most with a " "N & NW wind on account of the hill behind it. — I set up " "a tin on the N side of the hill during a heavy rain with " "a South wind, & it registered $\frac{1}{2}$ an inch more than the gauge " "in 24 hrs. at another time, ^{when} the wind was blowing from the " "North the tin set up in the same place registered less than " "the gauge."

RAINFALL AT *Shap, Sleddale* 80

Lat. Lon. County of *Westmoreland*
 Rain Gauge, by Observer *W. W. Hoggarth*

Eden - 1

Diameter		5									
Height		1. 0									
Altitude		1560									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		6.5	9.05	15.85	15.90	8.05		8.10	4.00	5.10	
February		6.65	10.05	8.60	7.50	15.80	17.10	5.90	1.30	2.25	
March		6.15	9.10	3.55	5.90	8.20		1.95	5.05	4.00	
April		1.50	7.00	2.65	2.30	4.25	4.95	4.00	3.90	4.95	
May		9.05	5.40	4.55	7.25	5.65	7.05	3.00	5.00	3.60	
June		7.45	6.25	6.40	1.15	2.20	2.65	.35	2.65	2.35	
July		6.45	12.60	4.30	6.10		8.85	3.15	9.10	3.45	
August		9.30	5.60	5.70	1.20	8.90	4.60	4.05	4.05	5.00	
September	5.90	4.30	4.05	7.30	7.80	8.45	10.50	7.00	.75	1.95	
October	1.90	3.75	6.45	10.30	4.25	8.40	9.30	4.10	12.50	9.10	
November	12.10	15.70	9.30	10.60	6.45	5.70	8.90	5.95	11.05	3.40	
December	6.30	15.00	8.00	6.20	16.00	5.85	9.50	8.00	11.00	7.05	
TOTALS		85.95	92.85	86.00	81.80	81.45	83.40	55.55	70.35	52.20	

This gauge is apparently in the same position
 as the Wet Sleddale gauge of 1866-1872
 i.e. at Head of Wet Sleddale 500 yds SSW of
 Seat Robert and 200 feet below it CS. 11.19

Average Reported from Survey : 10' too high.

RAINFALL AT Shap Reddale Hall ?

Lat. Eden - 1. Lon. _____ County of Westmorland
Kata - 2. Rain Gauge, by _____ Observer Mr W. Hoggarth
Months

Diameter	5										
Height	1 0										
Altitude	1560 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	17.00	8.95									
February	1.70	.25									
March	3.25	#									
April	2.95										
May	4.50										
June	4.10										
July	5.10										
August	7.10										
September											
October	17.10										
November											
December35										
TOTALS	63.15										

see notes in 1880 Book as to position
 cs 111-15

Rejected from Survey 10" too High.

RAINFALL at

*West- Leddale, Nirethwaite*County of *Westmorland*Observer *E. H. Hill & Sons*River Basin *Eden I.**Snowdon* Rain Gauge, by

An. Av. 87.88 1916-50

Diameter ...										8"		
Height										1.0		
Altitude ...										989		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...										7.79		
February ...										1.54		
March										6.65		
April										3.34		
May										1.92		
June										2.30		
July										1.58		
August										4.17		
September...										4.92		
October ...									8.46	2.81		
November ..									4.49	5.37		
December...									9.22	11.99		
TOTALS ...										54.38		

Marquis Mr. Lighton said accuracy doubtful

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

RAINFALL at Nettleddale MirethwaiteCounty of WestmorlandObserver Misses E. H. Hill & Sons C.E.
L. Holyst Lewis (1921)River Basin Eden 1

Rain Gauge, by

Mackay, G. A. W. W.

An. Av. 87.88" 1916-50

Diameter ...	5										
Height	1 0										
Altitude ...	989										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. Mean.
January ...	10.21	12.81	6.35	5.45	7.33	7.96	10.62	6.98	15.72	1.87	11.72
February ...	7.65	2.7	7.01	10.34	8.5	8.72	7.40	4.71	8.50	1.53	7.2
March	8.59	10.95	4.70	3.87	2.02	2.05	3.64	7.01	8.48	1.15	5.40
April	8.27	1.47	4.18	4.87	3.29	6.18	3.82	3.04	2.70	2.36	2.88
May	8.87	4.30	3.15	4.49	8.58	7.75	3.09	3.15	1.72	6.51	2.48
June	1.90	2.0	2.70	1.54	3.78	1.0	5.94	4.13	9.16	2.35	3.07
July	8.37	4.46	7.58	4.25	7.37	1.82	5.39	4.76	5.73	7.45	4.80
August	4.77	8.79	5.16	12.10	4.94	5.90	5.99	9.11	10.21	7.21	9.19
September...	4.02	2.59	5.14	7.54	10.02	6.14	4.88	8.38	4.42	2.56	5.24
October	2.37	2.72	2.61	14.67	6.64	7.96	5.89	8.34	12.39	8.52	13.22
November...	5.93	3.31	3.84	8.24	5.31	2.70	11.67	6.42	13.27	13.47	8.63
December...	8.13	11.44	12.86	6.53	13.84	6.52	1.05	1.70	6.76	13.83	7.46
TOTALS...	79.08	63.31	165.28	83.94	73.97	62.80	69.33	67.73	97.86	67.31	74.31

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

RAINFALL at Wek Sleddale (Mirethwaite)County of Westmorland,Observer Manchester Corpn. W.W.River Basin Eden - 1.

Type of Gauge.....

Annual Average 64.7 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S
" 87.88 1916-1950 660604/26.

Diameter	5.											
Height	1.0.											
Altitude	990.				995							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.91	12.04	8.05	12.82	2.62	11.05	9.43	10.98	11.82	2.24	85.96	
February	5.39	.17	6.16	.38	9.88	3.61	7.75	4.27	9.48	2.30	49.39	
March	1.48	5.39	5.23	4.77	2.63	4.31	2.69	5.03	5.68	7.97	45.18	
April	3.64	6.57	2.32	5.17	5.32	1.76	4.59	.71	1.91	3.07	35.06	
May	4.20	5.12	3.33	5.14	.64	1.44	3.26	5.54	1.30	2.68	32.65	
June	6.97	3.52	2.79	3.00	6.64	4.40	2.25	8.38	5.44	1.46	44.85	
July	5.80	7.35	5.44	2.31	2.54	7.69	3.43	10.41	10.81	5.62	61.60	
August	5.27	1.89	2.95	5.78	4.15	4.23	3.14	4.06	4.11	2.14	3772	
September	3.01	6.54	2.19	8.33	12.43	7.14	6.10	3.16	2.49	5.58	56.97	
October	5.05	10.92	6.56	11.76	10.79	6.46	3.99	17.69	2.58	9.22	86.02	
November	15.04	5.49	2.81	1.17	8.24	7.27	2.16	14.25	12.66	10.28	79.37	
December	5.31	10.11	1.05	13.60	4.29	11.09	4.36	6.93	4.34	7.24	68.32	
TOTALS	66.07	75.11	48.88	74.23	70.17	70.45	53.15	91.41	73.62	59.80	682.89	

21.1.32. G. moved to site selected by inspector. see Enc. 87a

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	Direction from gauge

Station No. T.F.M. 3663RAINFALL at Wet Sleddale (Mineshwaite)

41

County of WestmorlandObserver Manchester Corp. W.W.River Basin Eden - 1

Type of Gauge.....

Annual Average 64.7 in. based on 10 years obs. unweighted. Period of average 1881-1915 Ref S

87.88

1916-1950

File No. 660604/26 196738/32

Diameter	5"				600	967					
Height	1' 0"					1					
Altitude	995'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.99	7.36	13.68	10.12	5.72	10.73	11.22	14.21	4.92	5.04	84.99
February	9.28	2.30	4.79	3.56	8.43	5.51	(2.30)	7.04	6.81	9.65	59.67
March	4.26	4.40	3.01	.82	5.30	4.65	(8.20)	8.46	1.97	5.34	46.41
April	2.15	5.66	4.00	3.78	4.34	1.82	12.36	3.75	7.84	5.31	51.01
May	3.58	7.00	6.63	2.62	5.40	2.41	3.86	3.63	5.02	2.59	42.74
June	.13	1.09	5.74	4.52	6.73	6.13	4.91	8.63	1.12	4.17	43.17
July	2.04	3.61	5.16	4.73	4.04	6.17	4.16	4.51	3.21	6.46	44.09
August	7.11	7.79	11.80	5.66	2.43	7.74	.22	7.86	4.38	10.98	65.97
September	1.36	8.37	7.62	8.42	6.51	14.17	6.68	7.36 10.36	2.09	12.80	76.28
October	7.33	6.82	8.43	8.52	10.63	1.40	1.56	5.09	9.93	6.87	66.58
November	6.20	2.62	4.54	13.63	4.9	15.74	11.12	5.35	11.98	7.06	78.73
December	4.59	9.30	5.40	8.00	5.58	10.72	3.44	11.41	13.88	3.90	76.22
TOTALS	50.02	66.32	80.70	74.38	65.60	87.19	70.03	87.30	73.15	81.17	775.86

1947 Feb. & March obs. for snow.

30004

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.

3663

39

51

RAINFALL at Wet Gliddale (Murethwaite)County of Westmorland

Observer

Manchester Hosp. W.W.River Basin Eden - 1Type of Gauge Broadford (on inspection)Annual Average 16.77 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

1917-1918

Diameter ...	2"				6.00	9.67					
Height ...	1' 0"					1					
Altitude ...	995'					5'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	7.17	9.19	3.38	8.64	9.20	6.03	16.15	9.00	6.00	12.18	86.94
February ...	8.13	.94	3.25	6.98	3.45	.90	8.33	7.40	2.30	11.58	5376
March ...	5.64	8.09	1.15	7.00	2.09	3.30	6.46	2.00	6.28	1.77	4378
April ...	6.05	6.77	5.00	1.61	2.60	1.45	1.71	2.38	8.80	7.35	4372
May ...	2.04	3.18	4.47	6.23	7.00	4.27	4.85	7.13	1.68	2.89	4274
June ...	1.63	5.82	4.27	7.51	4.80	3.50	1.71	5.05	6.01	5.01	4531
July ...	4.69	2.76	9.91	5.57	3.50	6.75	6.24	5.48	5.66	6.45	5598
August ...	(9.00)	8.60	7.63	7.70	2.90	11.80	7.70	5.23	1.19	4.42	6617
September ...	10.28	7.08	12.86	16.44	4.55	5.50	7.76	8.53	1.38	6.04	7842
October ...	1.22	9.64	6.20	23.29	4.50	7.18	9.50	8.26	9.93	5.36	8528
November ...	16.86	3.76	14.38	20.59	3.37	2.90	2.56	1.31	11.25	18.34	9532
December ...	19.40	7.44	5.85	14.48	12.30	10.87	5.70	6.68	16.28	10.18	10718
TOTALS ...	92.11	73.47	78.35	126.04	60.26	63.45	78.67	68.92	76.76	89.57	80760

1958. No daily values after March. Occupier of property has left and no one to do it. Monthly totals only inspected 27.7.58 Mr. Deeks. Gauge sound, site reasonable.

00204

Position of Station on Ordnance One-Inch map :

No. of Map...83

National Grid Reference 35 527.107

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
					10	

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	comp 1918	✓	✓	✓	