

RAINFALL AT

Wm Hindson

Wed Pleddale Wetherdale

Rain By
 Gauge Diameter
 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		
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	

C C C C

1869 Amos open ground est. 111.19

RAINFALL AT Shap Met. Steddale

Lat.....

Lon.....

County of Westmorland

..... Rain Gauge, by.....

Observer G. J. Symonds

Diameter	8											
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	8.25	1.25	3.25									
June	9.00	13.00	8.50									
July	2.50		3.75									
August.....	4.75	11.75	7.25									
September.....	8.50		9.50									
October.....	16.00	7.25	6.25									
November.....	8.50	2.50	8.25									
December.....	5.00	7.75	7.25	4								
TOTALS.....	101.00	63.25	95.75									

C C C

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 9 NW by a hill and on"

"the S 4 SW 4 E is an open plain it registers most with a "

"N 4 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 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 *Shop, Sleddale*

Lat.

Lon.

County of Westmoreland

Rain Gauge, by

Observer W^m W. Hoggarth*Eden - 1*

Diameter	5									
Height	1. 0									
Altitude	1560 ft									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
										MEANS.
January	1.65	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	4.65	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	4.80	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 main 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. 15

average Rejected from Survey : 10° too high.

RAINFALL AT Shap Puddale Hall ?

Lat. Eden - 1. Lon. County of Westmoreland
Kent Rain Gauge, by Observer Dr W. Hoggart
Month

Diameter	5"											
Height	10											
Altitude	530 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 note in 1880 Book as to position
ca. 111-15

Rejected from Survey : 10° too High.

RAINFALL at West-Sleddale, Nirethwaite
 County of Westmorland Observer G.H. Hill & Sons Co.
 River Basin Eden 1.
Snowdon Rain Gauge, by _____

A.D. 87-88 1916-50

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											5"
Altitude ...											1.0
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...											7.79
February ...											1.54
March											6.65
April											3.34
May											1.92
June											2.30
July											1.88
August											4.17
September...											4.92
October ...											19.46 2.81
November..											4.49 5.57
December...											9.22 11.99
TOTALS ...											54.38

Messing Mr. Leighton said accuracy doubtful

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

RAINFALL at Wet-Sleddale Mirethwaite

County of Westmorland

Observer Messrs G.H. Hilly & Sons C.E.
L. Holycross Lewis (1921)

River Basin Eden 1

Rain Gauge, by

Manchester, Cost. 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	M.M.A.N.
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	8.85	8.72	7.40	4.71	8.50	1.53	.72	
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	2.20	2.36	2.58	
May	8.87	4.30	3.15	4.49	9.58	7.75	3.09	3.15	1.72	6.51	8.48	
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	8.70	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	12.59	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	6.83	13.84	6.52	1.05	1.70	6.36	13.33	7.46	
TOTALS...	79.08	63.31	65.28	83.94	73.97	62.80	69.38	67.73	97.86	67.31	74.81	

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

RAINFALL at Wek Sleddale (Mirethwaite)

County of Westmorland,

Observer Manchester Corp. W.W.

River Basin Eden - 1

Type of Gauge

Annual Average 64.7 in. based on 10 years obs un-weighted. Period of average 1916-1950 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	4.21	4.48	2.30	49.39
March	1.48	6.39	5.23	4.77	2.63	4.81	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	61.40
August	5.27	1.89	2.95	5.78	4.15	4.23	3.14	4.06	4.11	2.14	37.72
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	3.58	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	8289

21. 1.32. G. removed to site selected by Inspector. See Enc. 871

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		Parish Church.	Distance from gauge
				Direction	Direction		

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F.M. 36663

RAINFALL at Wet Sleddale (Minethwaite)

41

County of Westmorland

Observer 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.

666604/26 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	84.49
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	8.2	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	3.76	7.84	5.81	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	1.13	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	2.22	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	2.09	13.80	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	82.30	73.15	81.17	73586.

1947 Feb. Amend. est. 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

66
50
50

Station No.

3663 12 39

RAINFALL at Wet Ghylldale (Burthwaite)

51

County of Westmorland

Observer Manchester Corp. W.W.

River Basin Eden - 1

Type of Gauge Pitot (in inspection)

Annual Average 1.71 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S
 1916-50
 No longer applicable from 1916-50 File No. 1916-50
 22036/156

Diameter ...	"				600	967					
Height ...	' "						1				
Altitude ...	995'						51				
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	7.90	2.30	11.58	53.76
March	5.64	8.09	1.15	7.01	2.09	3.30	6.46	2.00	6.28	1.77	43.78
April	6.05	6.77	5.00	1.61	2.60	1.45	1.71	2.38	8.80	7.35	43.72
May	2.04	3.18	4.47	6.23	7.00	4.27	4.85	7.13	1.68	2.89	43.74
June	1.63	5.82	4.27	7.51	4.80	3.50	1.71	6.05	6.01	5.01	45.31
July	4.69	2.76	9.91	5.57	3.50	6.75	6.24	5.45	5.66	6.45	55.8
August	(9.00)	8.60	7.63	7.70	2.90	11.80	7.70	5.23	1.19	4.42	66.17
September	10.28	7.08	12.86	16.44	4.55	5.60	7.76	8.53	1.38	4.04	78.42
October	1.22	9.84	6.20	23.24	4.50	7.18	9.50	8.26	9.93	5.36	85.28
November	16.86	3.76	14.38	20.59	3.37	2.90	2.56	1.31	11.25	18.34	95.32
December	19.40	7.44	5.85	14.48	12.30	10.87	5.70	6.68	16.28	10.18	109.18
TOTALS ...	92.11	73.47	78.35	126.04	60.26	63.45	78.67	68.92	76.76	89.57	80760
	M	M	M	D	D	M	M	M	M	M	

1958. No daily values after March. Occupier of property has left and no one to do it. Monthly totals only.
 Impelled 27.7.56 Mr. Deeks. Gauge sound, site reasonable.

00204

X

Position of Station on Ordnance One-Inch map :

No. of Map 83

National Grid Reference 35 / 537.407

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance 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
		Cmp 1918	✓	✓	✓	-