

Sample The Amm Ironback 9 on NW of Kendal

E-x-87

40

Sea 8 in + Ground 1.2

160 ft Tsp in sand
30 ft + SL 170

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -			6.41	6.90	6.54	7.03	8.83	4.23	5.92	16.86	
February - -			4.17	1.74	5.30	1.99	5.79	4.79	19.90	4.54	
March - - -			6.53	2.71	7.10	7.00	9.77	2.04	6.83	1.64	
April - - -			.34	8.71	3.26	5.59	4.79	3.45	1.93	1.84	
May - - - -			3.03	3.05	.14	2.21	3.13	7.22	1.85	3.22	
June - - - -			4.70	6.01	3.97	5.21	3.74	4.52	6.48	1.65	
July - - - -			5.96	6.40	4.18	4.36	10.04	1.78	6.08	6.35	
August - - -			3.50	5.47	4.52	5.93	5.35	4.78	7.49	5.40	
September -			1.91	.56	5.73	4.75	3.46	4.44	3.26	3.79	
October - - -			2.45	9.50	6.14	8.13	12.01	12.92	9.36	12.96	
November -			8.81	10.03	3.99	8.55	7.54	15.90	9.95	11.02	
December -			10.95	3.49	1.02	15.55	3.06	11.93	12.29	6.15	
TOTALS -			58.76	64.57	51.88	76.30	77.71	78.00	91.34	75.42	

5-9 Phil Tr 224
6 My

1844 Dr. Miller in Phil. Trans. gives August = 4.62 and year 51.99
the above is from Admiral Wilson's own obs.

Rainfall at The How Troutbeck

Miller's Map XV

Observer J. Wilson

His return

Gauge

above Sea Level ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	4.74	17.63	21.73	17.78	9.25	1.66	5.79	7.88	6.76	14.88	10.810
February - -	15.50	8.93	15.72	2.23	4.19	1.49	6.61	6.05	1.60	8.80	7.112
March - - -	1.62	4.61	1.26	3.09	4.16	5.22	1.03	5.67	4.63	11.74	4.203
April - - -	8.52	3.45	1.96	5.35	1.05	2.61	3.36	2.83	3.97	8.02	4.012
May - - - -	3.38	2.28	5.34	1.86	2.91	2.46	4.59	2.83	3.56	3.3	2.854
June - - - -	4.85	6.93	7.51	3.26	5.83	4.23	5.17	3.54	1.46	2.21	4.499
July - - - -	7.19	5.95	5.06	8.16	3.63	5.08	2.88	3.89	5.12	2.20	4.916
August - - -	8.36	7.48	9.95	4.46	6.68	7.80	6.27	2.37	4.33	5.23	6.293
September -	2.81	4.12	3.89	5.54	4.20	1.37	3.60	3.83	9.27	12.69	5.132
October - -	6.56	10.14	5.74	8.04	6.43	9.39	4.26	3.91	7.11	8.12	6.970
November -	9.80	2.98	13.70	6.57	5.50	2.42	1.68	4.81	3.24	12.00	6.270
December -	6.48	6.27	25.76	1.65	12.12	3.81	10.04	7.69	9.02	8.73	9.057
TOTALS -	79.81	80.77	115.62	65.99	65.95	47.54	55.28	55.30	60.07	94.93	72.128

1850 - Agrees with S Marshall's table

1852 - Given = 115.63 in ppt by J F Miller

9 - Total agrees with ppt by S. Marshall Kendall

The How, Troutbeck
Vice Admiral
John Wilson

8 in

1 ft 6 in 6 2

1 ft 6 in + ground 6 1 5 4 7 0 ft + 3 2 6 4 5 8

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	17.79	9.00	12.12	12.02	10.96	7.48	12.40	12.14	6.91	9.03	11.073
February - -	5.52	13.62	3.22	6.14	7.14	7.57	9.51	11.66	11.79	14.14	9.031
March - -	10.43	15.60	9.04	3.34	7.99	3.43	5.75	5.43	12.20	2.16	7.537
April - - -	4.92	1.25	10.40	5.13	4.01	1.51	3.21	13.53	4.17	4.63	5.276
May - - -	6.31	.79	4.03	5.94	2.44	8.14	1.93	4.01	2.41	3.00	3.908
June - - -	11.90	2.56	7.33	5.56	5.25	.54	3.55	1.77	1.09	2.52	4.207
July - - -	2.13	0.64	9.53	1.36	3.74	3.37	4.50	4.06	.75	2.66	4.084
August - -	7.96	15.91	5.36	5.02	4.80	7.38	6.53	4.48	7.49	2.79	6.772
September -	3.02	12.46	2.61	10.85	8.47	2.33	14.48	6.44	3.51	14.45	7.862
October - -	10.32	5.17	16.16	0.79	2.99	0.49	5.93	6.63	10.64	4.41	8.753
November -	5.13	21.41	2.75	11.35	6.65	7.99	15.00	.74	6.15	10.45	8.762
December -	9.15	9.77	11.72	9.47	11.20	5.82	15.90	6.94	15.66	10.95	10.658
TOTALS -	102.58	116.26	94.27	84.97	75.74	64.05	98.69	77.83	82.77	82.07	87.923

1860 agrees with ppt by S. Marshall

1

2

3

4

5

6

7 agrees with ppt by S. Marshall

RAINFALL AT *Windermere The Howe Troutbeck*Lat..... Lon..... County of *Westmorland*.......... Rain Gauge, by..... Observer *Miss L. Wilson*.....

Diameter.....	<i>.8</i>										
Height.....	<i>1 2</i>										
Altitude.....	<i>470.</i>										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>5.87</i>										
February.....	<i>5.87</i>										
March.....	<i>4.27</i>										
April.....	<i>1.68</i>										
May.....	<i>5.78</i>										
June.....	<i>2.31</i>										
July.....	<i>7.43</i>										
August.....	<i>1.68</i>										
September.....	<i>5.31</i>										
October.....	<i>13.27</i>										
November.....	<i>5.16</i>										
December.....	<i>4.09*</i>										
TOTALS.....	<i>56.72</i>										

C

RAINFALL at Troutbeck (Yew Tree Cottage)County of Westmorland Observer B. L. Thompson Esq.River Basin Lever - 2Type of Gauge Standard

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

E1207/22

Diameter											5"	
Height											0' 10"	
Altitude											550'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January										3.49		
February										2.97		
March										7.44		
April										3.01		
May										1.31		
June										1.09		
July										6.83		
August										2.64		
September										6.73		
October										8.08		
November										8.80		
December										9.36		
TOTALS										61.75		

1940 Back Year rec'd April 1944. Reasonable. All Records 25. 6.44

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. 3699/5RAINFALL at Troutbeck (Yew Tree Cottage) (Tas. Howe) 41County of WestmorlandObserver B. H. Thompson EsqRiver Basin Lewen - 2Mrs. P. M. MONTNEUXType of Gauge Shaddon

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

File No. E. 1207/44

Diameter	.....	.....	5"	.....	.....	587	310	.....	.....	587	319
Height	.....	.....	10"	.....	.....	.....	1	.....	.....	.....	1
Altitude	.....	.....	550'	.....	.....	.....	41	.....	.....	.....	51
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.03	8.98	13.90	10.49	6.44	10.93	8.49	12.44	6.98	5.31	
February	9.69	2.84	5.63	4.04	8.69	6.10	1.32	6.86	7.46	9.15	
March	3.91	6.28	2.65	.73	5.09	4.78	9.05	6.02	3.39	5.16	
April	2.31	3.95	4.83	4.84	3.67	1.90	9.49	3.82	9.87	5.75	
May	4.52	4.90	7.19	2.61	5.04	1.69	4.26	2.69	3.85	3.08	
June	.57	.99	5.69	5.44	4.73	6.83	4.54	8.81	.84	3.36	
July	2.05	5.99	5.43	4.09	5.08	6.52	4.44	3.72	3.51	6.13	
August	7.31	7.84	10.85	4.95	3.96	7.06	.16	7.97	3.88	10.30	
September	2.24	7.04	7.92	7.63	6.45	12.65	5.47	8.75	2.28	13.73	
October	8.68	7.77	8.76	8.03	7.93	.93	1.72	6.40	8.69	6.20	
November	5.96	2.19	5.11	12.93	.57	12.42	12.88	7.45	11.72	6.58	
December	5.17	11.50	3.77	9.52	5.31	8.02	3.91	8.57	13.78	3.79	
TOTALS	54.44	70.27	81.79	75.30	62.97	79.83	65.73	83.40	76.25	78.24	

back years 1941 - 1942 rec'd in April 1944. Resumes to 1944. 25.644

1944 Pond 2 ft. N. Bushes 6 ft. 25 ft. S.W. Wall 4 ft. 25 ft. S.W. Bushes 30 ft. N.

1950 G. mean about 2/3 - 1/2 in. S.W. to Troutbeck

733

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map.....

Reference No. 35-41134

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

Station No. 3699/5RAINFALL at Troutbeck (The Howe)

51

County of WestmorlandObserver Miss P. M. MalynesRiver Basin Leven - 2D. A. E. Aniscaw (1953)Type of Gauge SnowdonAnnual Average 73.47 in. based on 18 years obs. un-weighted. Period of average 1916-50 Ref. 5
" " 1940-57 " " 1916-50 File No. E.1207/44

Diameter ...	5"				587	319						
Height ...	0' 9"					1						
Altitude ...	496'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	8.30	6.51	4.41	6.40	6.30	8.06	10.64	(9.64)	3.87	12.25		
February ...	7.66	1.15	4.23	5.98	2.80	2.95	6.55	9.85	2.83	6.71		
March ...	6.08	4.97	1.07	5.41	3.03	3.67	6.83	1.61	3.94	1.92		
April ...	4.46	4.58	4.78	2.78	3.35	1.43	1.29	1.96	5.87	5.90		
May ...	1.70	3.34	2.90	4.48	3.52	3.64	5.58	6.05	1.57	3.35		
June ...	1.55	4.79	6.35	7.68	5.51	2.77	3.21	3.95	5.57	3.52		
July ...	4.08	3.47	8.70	6.23	1.89	7.33	4.10	3.33	7.11	7.42		
August ...	6.93	7.52	8.52	6.63	3.23	9.44	7.16	5.07	1.24	4.84		
September ...	8.85	6.71	10.70	14.34	4.76	5.93	6.01	8.42	1.43	4.60		
October ...	.99	7.88	3.65	16.77	5.32	5.71	8.71	8.13	8.19	5.86		
November ...	13.07	3.68	10.94	13.23	3.73	2.23	2.96	1.92	7.28	14.15		
December ...	14.32	6.89	4.78	11.28	10.95	6.95	7.16	(5.70)	13.85	7.52		
TOTALS ...	77.99	61.49	71.03	101.21	54.39	60.11	70.20	65.63	62.75	78.04		
	d	d	d	d	d	d	d	d	d	d		

1951 Stone wall 3' 10" E; House 40' 30 yd W; Farm buildings 30' 30 yds N;
Farmhouse 30' 30 yd S; 40014

412034

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NY(51)414023

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Windermere	3 1/2 mi S	Troutbeck	1/2 mi NW

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10		C. 1240	✓	✓
			-	✓ but 41-43	