

Rainfall at Whinfell Hall
near Cockermouth.
 Wilson Robinson

20

7259

Diameter of Gauge, in. Height above Ground, 6² ft. in. Above Mean Sea Level, ft.
 Area " " betw 11 & 12 in. Glass bottle with tin funnel through cork.

YEAR - -										1829	MEANS.
January - -										# 4.0	
February - -										1.23	
March - - -										1.23	
April - - -										4.00	
May - - - -										2.35	
June - - - -										3.29	
July - - - -										4.26	
August - - -										9.26	
September -										3.95	
October - -										7.45	
November -										3.57	
December -										3.81	
TOTALS -										46.80	

Hyd Sta. no. 44. 594323

alt 23746 72m

NGR: NY (35) 150254

Rainfall at Whinfell Hall,
near Cockermouth.
Wilson Robinson

Diameter of Gauge, in. Height above Ground, 6 ft. in. Above Mean Sea Level, ft.
Area " " 12412 " Howard's Bottle in wooden box.

YEAR - -	1830	1831	1832	1833						MEANS.
January - -	.90	1.65	2.13	.59						
February - -	2.69	3.30	4.31	4.07						
March - - -	3.93	4.10	4.04	2.58						
April - - -	4.61	1.77	1.86	2.96						
May - - - -	4.98	1.13	1.65	2.67						
June - - - -	5.08	3.68	2.58	4.97						
July - - - -	5.31	5.28	2.33	2.70						
August - - -	5.60	4.53	2.56	2.47						
September -	10.19	7.13	2.16	3.28						
October - -	5.79	12.15	6.44	4.05						
November -	8.38	5.90	4.30	6.53						
December -	2.22	4.39	4.08	2.85						
TOTALS -	59.68	55.01	38.44	39.72						

Some of the water was lost in the following months.

1831. Feb. Mar. Nov. Dec.

1832. Oct. Nov. Dec.

1833. Feb. June. Nov. Dec.

Hyd. Sta. no. 44-594323

alt 237 ft 72 m

NGR: NY (35) 150254

Whinfell Hall.

Cockermouth

W. Robinson

Mrs return

YEAR - -							1856	1857	1858	1859	MEANS.
January - -							3.15	4.89	4.65	9.04	
February - -							4.82	4.07	.97	4.85	
March - - -							.14	4.19	3.82	7.61	
April - - -							2.48	2.26	2.65	5.14	
May - - - -							3.04	2.22	3.61	.17	
June - - - -							5.37	4.00	2.05	2.79	
July - - - -							2.65	2.86	1.32	2.69	
August - - -							4.62	2.84	4.15	4.73	
September -							5.05	5.96	8.10	6.61	
October - - -							3.20	3.33	6.66	3.70	
November -							1.72	4.02	1.24	6.84	
December -							7.14	6.15	5.63	5.50	
TOTALS -							43.41	46.79	47.85	59.67	

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Hydro No. 594323

1859 - Total agrees with ppt by S. Marshall Kendal

Whinfell Hall, Cockermouth

60

Wilson Robinson

Marshall

260 64

5 in

+ ground 2 ft.

+ Sea level 266 ft 5

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	8.38	3.29	5.83	8.71	3.40	4.73	9.69	5.12	5.90	7.15	6.220
February --	2.52	7.29	1.66	3.79	2.52	4.02	6.08	3.66	6.42	8.46	4.442
March --	6.99	7.66	3.90	1.84	4.34	2.40	3.83	2.37	8.79	.61	4.273
April --	2.56	.92	6.03	4.51	2.28	.45	1.89	5.32	3.44	3.10	3.070
May --	3.46	1.52	4.49	3.93	2.42	7.73	2.00	2.38	2.92	2.45	3.350
June --	6.87	2.87	5.53	5.77	4.24	.64	2.72	1.65	1.89	2.16	3.436
July --	2.15	5.53	3.76	1.32	1.98	2.52	4.36	4.77	1.03	2.14	2.986 -
August --	5.46	8.66	5.10	4.37	4.09	4.31	5.37	4.27	6.02	2.28	4.993
September --	1.89	6.21	2.59	9.99	7.21	2.23	9.11	6.27	2.39	10.60	5.849
October --	10.42	4.53	10.89	6.81	4.71	5.13	3.58	5.53	7.76	4.75	6.411
November --	1.77	14.22	2.61	8.47	6.07	4.84	7.97	.84	3.24	7.71	5.774
December --	3.60	6.24	8.40	4.94	7.23	5.25	6.88	4.35	9.83	7.40	6.412 +
TOTALS --	56.07	68.94	60.81	64.45	50.49	44.25	63.48	46.73	59.63	58.81	57.366

c t e c c e c c c c c c

1864 Whinfell Hall is on the W side of the Hill the Vale of Lorton near the bottom of Whinfell fell, a northern spur detached off the Cumberland Lakeland district group of mountains is about 4 miles S.E. of Cockermouth.

1868 In the beginning of Augt the springs and brooks were lower than in any previous occasion except twice in the last 50 yrs. On those two occasions one in 1826 & once since they were nearly if not quite as low, whether gentle is doubtful, yet the rainfall for the whole year exceeds the average of the preceding 12 years by 5.217 the wet early & late months account for this.

1869 Oct 6th Frost Sun? see slip

Hydro No 594323

RAINFALL AT *Cockermouth, Thimble Hall*

70

Lat.....

Lon..... County of *Cumberland*

..... Rain Gauge, by..... Observer *William Robinson Esq.*

Diameter	5										
Height	2	0									
Altitude	265	0									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEAN.
January.....	5.82	4.37	9.95	10.68	6.39	6.36	2.84	10.15	5.21	1.42	6.319
February.....	5.07	4.71	5.23	7.2	4.55	1.43	4.89	4.80	3.43	2.72	3.753
March	2.36	3.33	4.55	3.51	3.97	1.60	4.36	3.13	2.47	4.59	3.407
April.....	2.85	2.43	1.98	4.0	2.03	1.48	2.67	2.27	1.77	1.81	1.969
May	5.55	7.24	3.76	2.16	1.06	3.10	.69	4.61	2.84	1.92	2.693
June.....	1.52	1.75	6.03	9.09	1.26	4.35	4.58	4.48	2.77	4.38	3.421
July	1.95	3.38	3.78	7.07	2.34	3.47	3.19	5.78	.88	6.88	3.772
August.....	2.03	3.82	4.01	6.10	9.00	4.24	4.50	6.96	3.84	5.05	4.955
September.....	5.22	2.60	8.40	3.12	7.38	6.66	4.27	3.56	7.05	6.26	5.452
October.....	11.27	4.18	10.06	7.35	11.45	4.69	3.29	8.27	6.95	2.77	7.025
November.....	3.58	2.78	7.16	3.26	5.96	4.76	2.95	12.17	3.45	2.00	4.807
December.....	2.44	7.11	7.59	2.78	2.75	3.95	6.84	5.50	2.37	4.40	4.573
TOTALS	4886	41.70	72.50	50.24	58.14	46.09	45.07	71.68	43.03	44.20	52.151

1871 the rainfall here was 2.00 in lower than that of any of the preceding years, the next lowest was that of 1856 the first of the present series. the average of the whole 16 years is 53.87

1875 Gauge slightly sheltered by apple tree 12 or 15 ft high
 1878 Apple tree 11 ft high 13 ft distant N.W. & one 18 ft high & 20 ft S.W.
 1879 tree 13 ft high 20 ft S.E.

Location ch. $\frac{1}{2}$ mile N.E.

Hydro No 594323

RAINFALL AT *Cocker mouth, Minifed Hall*

80

Lat. _____

Lon. _____ County of *Cumberland*

Rain Gauge, by _____

Observer *M. Robinson, Esq.*

Derwent - 2

Derwent - 2												
Diameter	5											
Height	2.0											
Altitude	265 ft											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	1.47	.68	4.53	8.69	6.71	3.36	5.51	4.90	2.73	3.57	4.235	
February	5.74	3.72	4.98	6.42	6.54	9.22	1.70	3.43	1.47	3.23	4.645	
March	2.27	4.40	4.20	3.03	5.86	4.57	5.06	1.26	4.08	3.25	3.798	
April	3.46	1.32	4.35	2.68	1.58	3.93	3.28	4.02	2.47	2.34	2.944	
May	1.68	4.02	3.30	2.65	5.06	3.35	5.26	2.36	2.58	3.09	3.332	
June	3.77	6.19	4.57	4.58	2.13	1.86	1.57	.63	1.14	.90	2.738	
July	4.06	5.20	7.60	2.81	5.35	4.07	5.40	4.08	6.40	2.36	4.753	
August	1.60	7.02	3.90	4.14	2.48	3.13	3.20	2.46	3.86	5.86	3.765	
September....	6.38	1.68	3.92	5.43	6.76	7.43	8.90	6.31	2.63	3.82	5.326	
October	1.74	2.99	3.37	6.76	3.86	5.96	5.48	3.62	6.21	5.90	4.589	
November....	7.15	7.49	8.33	8.43	2.30	3.74	6.03	3.28	6.47	2.65	5.587	
December	6.29	4.44	3.71	5.27	6.61	2.27	6.95	4.64	5.60	5.91	5.169	
TOTALS	45.61	49.15	57.07	60.89	55.24	53.09	58.28	40.99	45.61	42.88	50.881	

Lorton Church $\frac{2}{3}$ mile NE

Apple tree 10ft. high 9ft. W. the measurements are
 " " 13ft. " 14ft. S.W. to the extreme top of
 " " 12ft. " 15ft. S.E. the highest twig
 " " 5ft. " 20ft. E.N.E.
 Hedge 2ft. " 13ft. NNW

Hydros No 594323

RAINFALL AT *Lockermouth Whinell Hall*

Lat. _____

Lon. _____

 County of *Cumberland*

Rain Gauge, by _____

 Observer *W Robinson Esq*
Derwent - 2

Diameter	5											
Height	2 0											
Altitude	265 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	7.03	3.53	4.35	2.30	6.02	2.51	2.77	.92	4.28	8.53	4.224	
February	1.30	.43	2.07	6.16	7.16	.37	3.23	3.26	4.90	3.33	3.221	
March	3.58	1.84	1.79	1.92	3.06	4.31	6.98	6.76	1.98	3.58	3.580	
April	1.44	1.81	1.47	.73	1.71	2.92	2.52	2.71	5.04	4.68	2.508	
May	3.16	3.03	5.17	2.35	3.93	1.66	.68	2.91	3.51	4.41	3.081	
June	5.73	1.35	3.84	2.48	3.31	1.00	3.62	3.70	3.27	1.33	2.962	
July	4.97	2.45	2.64	4.50	3.29	5.00	4.68	2.55	.87	3.30	3.425	
August	5.02	11.54	8.11	5.09	6.44	7.46	3.44	6.91	7.15	1.55	6.271	
September....	6.94	10.00	9.57	5.88	.38	1.72	6.08	4.94	2.59	7.86	5.596	
October	4.61	8.94	5.20	6.73	5.50	5.82	7.30	3.35	4.30	5.72	5.747	
November....	10.08	5.21	3.97	3.81	8.40	5.72	2.24	9.09	6.65	8.30	6.347	
December ....	.73	10.27	3.15	7.24	5.37	3.88	5.33	7.02	6.84	4.03	5.386	
TOTALS	54.59	60.40	51.33	49.19	54.57	42.37	48.87	54.12	51.38	56.62	52.344	

1891 *Lorton Churd 3/3^{1/2} Mili NE* 1860 -

1897 Nov 12 Gauge overflowed 8.33 an estimate
76 an overflowed

Hydro No 594323

RAINFALL AT

Lat. 54° 37' 1" N.

Lon. 3° 19' 2" W.

County of

Cumberland

Rain Gauge, by

Observer

Mr [F.M.] Peile

Segment - 2.

Diameter ..	5											
Height	2 0				0 1?							
Altitude ..	265 ft		255									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	6.23	3.59	4.39	7.14	6.00	2.51	7.90	2.50	7.14	5.14	5284	
February ..	5.53	2.21	1.04	7.96	4.53	3.72	4.15	3.01	4.30	4.27	4072	
March ....	.53	2.94	3.60	10.90	4.45	4.87	3.43	6.10	4.98	4.46	4626	
April	2.36	2.95	2.80	2.49	3.50	4.80	1.53	4.37	1.63	3.27	2970	
May	2.17	2.15	2.77	2.94	3.12	3.08	6.02	4.82	3.14	2.17	3238	
June	3.31	2.85	1.71	1.85	2.02	2.47	2.42	7.04	3.26	2.74	2967	
July	2.29	1.07	3.06	5.25	4.00	1.47	3.40	2.59	4.67	8.16	3596	
August	10.17	5.88	3.51	7.14	4.82	3.53	7.10	6.51	8.70	3.70	6106	
September..	5.08	3.06	2.71	6.94	2.70	4.14	1.59	.57	6.53	2.96	3628	
October	6.75	7.57	4.89	12.86	3.20	4.23	8.75	9.66	2.03	12.18	7212	
November..	4.88	7.20	3.51	5.04	5.24	6.11	5.51	5.83	4.86	3.53	5171	
December ..	9.58	7.07	6.67	5.69	6.99	4.36	4.96	8.24	4.56	8.59	6681	
TOTALS ..	58.88	48.54	40.66	76.20	50.57	45.29	56.76	61.64	55.80	61.17	55.551	4.55

1900 Lorton Church 1/2 mile NE

Trees 20 ft high 15 to 20 ft W & SE

1902 May 14? Gauge moved 100 yards SE

1903 Cockermouth Station 4 1/2 miles N

1904 Home 25 ft high 36 ft S & W

Shrub 12. . 12. . N & W

Hub

RAINFALL at ^{Lorton} Cockermouth Whinfield Hall

County of CumberlandObserver Mr F.M. PeileW Peile EsqRiver Basin Derwent 2

Rain Gauge, by _____

Diameter ...	5										
Height	100										
Altitude ...	255 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.31	3.64	3.83	4.32	4.77	5.52	6.85	2.44	6.81	5.55	
February ...	8.99	6.82	2.98	3.82	5.15	9.22	6.01	1.62	6.16	.54	
March	4.57	1.84	8.12	6.73	5.74	4.03	1.55	3.26	2.49	4.50	
April	3.83	5.49	1.15	6.17	2.18	3.51	5.06	3.50	.71	3.86	
May	3.43	5.13	2.56	3.09	3.65	1.80	3.57	3.35	2.11	.95	
June	2.01	6.17	6.22	5.75	2.03	.95	3.72	2.93	2.28	3.14	
July	5.51	1.31	5.42	.71	6.60	5.23	4.83	1.23	3.78	1.33	
August	7.53	3.56	6.29	3.62	4.14	2.73	2.97	8.26	3.88	4.34	
September ...	.92	3.85	2.36	2.71	2.84	1.56	1.98	6.80	11.33	5.55	
October ...	3.13	6.17	5.98	5.92	1.83	1.38	10.93	9.24	10.13	1.69	
November ...	5.57	7.87	5.67	5.56	8.97	2.68	7.55	5.38	4.18	3.67	
December ...	7.61	11.91	10.38	5.70	9.92	9.99	6.14	3.46	7.88	7.06	
TOTALS ...	58.41	63.76	60.96	54.10	60.82	48.60	61.16	51.47	61.74	42.18	
	D	P	S		D			D	imp 2	d	

1912 House 2 stories 36 ft SW
 Shrub 1 ft high 12 NW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54.37.1	3.19.2 W	Cockermouth	4 1/2 mi	N.	Lorton	7 mi	NE

RAINFALL at Lorton Whinell HallCounty of CumberlandObserver Sennett Weeks Esq.River Basin Derwent 2J. W. Hardisty (1922)

Rain Gauge, by _____

Diameter ...	5										
Height	0.1										
Altitude ...	255										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	6.29	8.69	5.05								
February ...	4.04	4.5	5.54								
March	8.45	8.62	2.32								
April	4.26	1.21	2.85								
May	5.67	3.57	3.18								
June	1.86	.67	3.73								
July	7.19	3.61	3.06?								
August	3.04	7.34	4.59								
September...	2.58	2.51	3.34								
October	2.18	4.88	2.62								
November...	3.42	2.56	2.39								
December...	4.27	7.42	7.36								
TOTALS...	53.25	51.53	46.03	#							

1922 July appears low. Tree 20 ft high 7 ft. N.
 1923 G. nearly rusted through in sheltered position near bushy tree
 18 ft high 6 ft. N. None 30 ft high 30 ft. S. (J. W. Hardisty)

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 37' 1"	3° 19' 2"	Cockermouth	4 mi	N	Lorton	1/2 mi	N E