

RAINFALL AT *Shannon Bay, Ulster**A. Parkin*

Rain { By .....

Gauge { Diameter.....*8*.....in.Height above Ground, *2*... ft. *6*... in.Above Mean Sea Level, *529*... ft.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEAN.
January .....								# 3.45	6.50	7.00	
February .....								3.75	3.24	6.00	
March .....								2.25	5.25	.00	
April .....								5.00	4.00	.75	
May .....								2.75	2.00	2.50	
June .....								.75	.25	1.12	
July .....								3.25 <sup>x</sup>	.15 <sup>?</sup>	.35	
August .....								1.65	5.00	1.50	
September ...								3.75	3.00	0.25	
October .....								3.67	4.50	1.50	
November ...								.37	3.00	4.50	
December .....								1.50	10.50	7.00	
TOTALS.....								32.34	47.47	40.47	

*1868<sup>x</sup> July not enough to raise the float*

# RAINFALL AT *Ullswater Sharrow Bay*

70

Lat.....

Lon.....

County of *Westmorland*

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

Diameter .....	8	0										
Height .....	1.6	1.6										
Altitude .....	500.	500.0										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	4.25	4.45	9.75	10.25	3.50	6.50	1.00	8.00	2.25	.25	5.020	
February .....	5.00	2.45	7.50	1.25	3.75	.50	4.50	2.50	2.75	3.75	3.365	
March .....	1.00	3.90	2.75	2.50	2.75	2.00	3.50	2.75	1.50	3.50	2.615	
April.....	1.00	2.00	1.50	.00	3.50	1.00	3.00	3.00	2.50	1.75	1.925	
May .....	4.25	1.00	2.00	1.40	1.25	2.25	.50	4.00	6.50	1.25	2.440	
June.....	1.10	2.75	3.75	1.60	1.25	4.00	2.50	4.00	2.25	5.00	2.820	
July .....	.90	2.75	3.50	4.75	2.50	2.50	2.00	4.00	.75	4.50	2.815	
August.....	2.00	3.00	4.00	4.00	6.50	2.25	4.00	5.75	3.50	4.75	3.975	
September.....	3.50	3.25	5.50	1.60	7.25	4.50	3.25	4.75	5.00	4.00	4.260	
October.....	10.50	4.90	7.25	3.90	10.75	4.00	3.75	5.00	6.00	1.25	5.730	
November.....	3.75	.05	7.25	2.25	3.25	4.00	3.00	10.75	2.50	1.00	3.860	
December.....	1.85	6.00	9.12	1.75	2.75	4.00	8.50	3.00	2.75	3.00	4.272	
TOTALS.....	39.10	37.00	63.87	35.25	49.00	37.50	39.50	57.50	38.25	34.00	43.097	

1871 May - rather doubtful July not measured till 11<sup>th</sup> of July

1870 Jan - April gauge emptied monthly, afterwards only at end of year gauge having been found to have a scale error due to indentation of the float.

1873 The small g. registered most this year viz 40.21

1878 The large g. & small g. are close together yet the small one always registers more than the large one

# RAINFALL AT *Ullswater, Sharroo Bay*

70

Lat.....

Lon.....

County of...

*Westmorland*

Rain Gauge, by.....

Observer

*Anthony Parkes Esq*

*Monthly*

Diameter.....	5	.					.	.	.	.	
Height.....	7	.					.	.	.	.	
Altitude.....	500.	.					.	.	.	.	
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEAN.
January.....	5.41	2.33	11.32	12.50	4.86	5.20	2.15	9.15	3.40	1.07	5.739
February.....	5.98	2.50	7.75	1.40	4.15	92	5.15	3.32	2.65	4.05	3.787
March.....	4.11	5.12	3.09	2.83	3.24	1.90	4.40	2.10	2.38	4.06	3.323
April.....	1.84	2.20	2.10	.31	3.76	1.35	2.94	3.68	2.46	1.93	2.257
May.....	4.45	1.30	2.40	1.65	1.58	2.47	94	4.46	6.50	1.56	2.731
June.....	1.20	1.95	4.10	1.90	1.30	3.32	2.19	3.75	2.55	4.65	2.691
July.....	.53	3.20	3.25	3.80	2.00	2.78	2.30	5.10	.90	4.15	2.801
August.....	2.85	3.33	4.70	4.50	8.00	2.71	4.22	6.24	4.04	5.15	4.574
September.....	4.66	4.08	5.80	2.18	8.25	5.50	3.86	5.30	4.06	4.30	4.799
October.....	70.56	5.19	7.80	4.05	10.50	4.75	4.28	7.10	6.00	1.60	6.183
November.....	3.74	1.35	7.45	2.55	2.95	4.62	3.20	9.72	2.90	1.34	3.982
December.....	2.77	6.30	8.00	2.54	2.60	4.60	8.75	4.16	3.26	3.44	4.642
TOTALS.....	48.10	38.85	67.76	40.21	53.19	40.12	44.38	64.08	41.10	37.30	47.509

1874 The two gauges stand very near each other still they continue to differ in the quantity of rain the small gauge uniformly giving more than the larger

Barrow church 3½ miles E

# RAINFALL AT *Ullswater, Sharrow Bay*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

*Westmoreland*

Rain Gauge, by \_\_\_\_\_

Observer *A. Parkin, Esq.*

*Eden - 1.*

Diameter ....	5											
Height .....	7											
Altitude ....	5007											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	1.23	.23	3.24	9.50	7.40	3.15	5.50	4.07				
February ....	6.85	3.36	5.40	9.15	7.10	7.00	1.25	3.65				
March .....	1.74	3.95	4.36	3.75	5.20	4.50	3.50	1.15				
April .....	3.05	1.60	5.55	2.80	1.50	3.60	3.40	2.50				
May .....	1.30	3.30	2.74	1.90	3.04	2.95	6.60	1.80				
June .....	2.26	3.60	3.64	1.86	1.36	1.27	1.50	.13				
July .....	4.50	3.58	3.80	2.14	6.70	1.15	4.65	3.08				
August .....	1.10	4.58	1.88	2.85	1.40	1.50	1.54	2.36				
September....	5.25	3.00	3.80	5.30	5.50	4.00	6.80	5.25				
October.....	2.28	2.80	3.30	5.28	2.50	6.40	6.86	2.50				
November....	6.30	9.50	6.45	7.00	3.25	2.75	4.62	3.90				
December ....	5.32	5.35	4.26	1.90	6.50	2.95	6.70	4.85				
TOTALS ....	40.68	44.85	48.42	53.43	51.45	41.22	52.92	35.24				

*Barton Church 3 1/2 miles E.*

*1882. Shrubs 20ft high 150ft W.*



# RAINFALL AT Ullswater, Sharncliffe 80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Neston

Rain Gauge, by \_\_\_\_\_

Observer A. Parkin, Esq.

Eden - 1

Diameter ....	8										
Height .....	1.6										
Altitude ....	500 T										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.25		2.50	9.25	7.50	2.34	5.00	4.25			
February ....	7.25	3.00	4.75	10.25	7.00	7.66	1.00	3.25			
March .....	1.75	3.75	4.25	3.60	5.25	4.00	3.75	1.25			
April .....	3.00	1.25	5.50	2.50	1.75	3.00	3.00	2.75			
May .....	1.00	4.00	2.50	1.00	2.50	1.75	6.25	1.50			
June .....	2.25	2.75	3.50	3.25	1.25	.75	1.25	.00			
July .....	4.50	4.75	4.00	3.75	6.50	1.00	4.75	2.75			
August .....	1.00	3.50	2.50	2.75	.50	1.00	1.25	1.75			
September....	5.00	2.75	3.50	5.00	5.75	5.50	5.75	4.50			
October .....	1.25	2.25	2.50	5.00	1.75	3.75	7.00	2.00			
November....	6.75	9.50	4.75	8.00	2.50	.50	4.50	3.50			
December ....	4.00	4.50	5.00	2.50	5.75		7.75	4.75			
TOTALS ....	38.00	42.00	45.25	56.75	48.00		51.26	32.25			

Barton Church 3 1/2 miles E.

1882 Shrubs <sup>20</sup>ft high 15ft W

1885 Dec. Gauge out of repair.

1886 Dec. 4 J. G. Benn says G. showed too little in consequence of the float being flattened. I took the float to Perwith to be repaired.

# RAINFALL AT

Ullowater Sharrow Bay

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Westmoreland

Rain Gauge, by \_\_\_\_\_

Observer Mr A. Greenlee  
Mr E. Helps

Eden - 1

Diameter ....							5				
Height .....							7				
Altitude ....							500	600			
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....							2.84	1.25	4.39	9.14	
February ....							2.70	4.20	4.25	6.30	
March .....							6.20	8.40	4.30	3.70	
April .....							2.20	2.20	2.20	3.52	
May .....							.36	1.84	2.50	4.15	
June .....							3.80	2.43	3.90	.50	
July .....							3.20	1.45	1.40	4.50	
August .....							2.30	8.10	5.03	2.15	
September....							6.70	4.66	1.80	5.50	
October .....							6.50	4.00	4.35	3.50	
November ....							1.92	3.75	5.05	3.94	
December ....							5.70	11.55	7.50	2.65	
TOTALS ....							44.42	53.83	46.67	49.55	

# RAINFALL AT

Ullswater Sharrow Bay

Lat. ....

Lon. ....

County of

Westmoreland

Rain Gauge, by

Observer

Mr. G. Robinson

Eden - 1.

Diameter ..	5											
Height ....	0.7											
Altitude ..	600											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.80	2.44	3.06	9.63	7.60	1.84	8.98	1.20	4.61	5.53	4.969	
February ..	5.50	1.45	1.54	9.10	3.54	3.22	3.35	2.39	3.28	3.77	3.714	
March ....	.40	3.18	3.04	11.23	3.15	4.09	2.20	3.96	5.21	4.06	4.046	
April .....	1.60	2.65	3.43	1.34	1.14	4.80	.71	2.02	3.19	2.98	2.386	
May .....	3.23	1.69	3.10	5.14	3.56	.76	5.90	5.45	2.65	1.75	3.323	
June .....	3.60	2.22	1.06	1.41	1.81	1.91	1.18	4.51	1.95	2.99	2.264	
July .....	1.88	1.94	2.61	3.37	1.69	.94	1.67	1.50	2.65	4.24	2.249	
August ....	6.88	2.95	1.67	4.58	3.65	4.59	4.23	3.80	5.32	2.96	4.063	
September ..	3.10	2.68	1.92	5.08	1.82	4.51	1.13	.18	4.36	2.55	2.733	
October ....	8.16	4.57	3.20	11.22	1.64	3.42	6.43	7.31	2.20	9.08	5.723	
November ..	3.24	5.04	4.27	3.15	3.24	5.96	3.99	4.34	3.61	2.66	3.950	
December ..	8.44	4.98	6.85	4.93	3.15	2.04	2.95	7.47	3.56	6.99	5.136	
TOTALS ..	50.83	35.79	35.75	70.18	35.99	38.08	42.72	44.13	42.59	49.50	44.556	455

1901 Martindale Church  $2\frac{1}{2}$  miles S.W.

1903 Penrith Station  $\frac{1}{2}$  miles N.E.

H. B.



RAINFALL at Ullswater Shamrock BayCounty of WestmorlandObserver Mr G. RobinsonRiver Basin Eden 1

Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	0 7										
Altitude ...	600										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	4.93	2.68	4.52	6.41	4.44	2.93	7.12	1.95	6.18	5.11	
February	5.98	4.75	2.75	3.67	3.38	5.23	7.42	.92	5.55	1.01	
March	4.05	1.65	4.74	7.41	6.40	.93	3.26	1.40	1.08	1.58	
April	3.73	1.99	.90	5.85	2.39	3.22	3.44	2.30	.48	1.62	
May	2.27	3.36	1.72	.33	1.14	.94	3.87	1.81	1.60	.48	
June	1.62	4.11	5.11	1.78	.42	1.84	.80	1.24	2.00	1.44	
July	4.45	.40	5.60	.88	.96	2.54	.95	.82	3.63	.49	
August	8.44	2.85	6.15	1.39	.32	2.80	.87	8.02	4.64	3.39	
September	.35	3.50	1.65	2.50	2.65	.88	2.50	3.71	11.94	3.52	
October	2.77	5.45	4.58	4.57	1.43	1.45	11.20	8.53	7.38	1.72	
November	3.90	6.98	4.31	5.51	7.57	2.06	8.65	4.99	5.06	3.98	
December	8.17	5.84	9.75	5.75	9.21	10.90	.35	1.53	5.72	9.45	
TOTALS	53.66	43.50	51.78	46.05	39.31	36.72	50.43	37.22	53.23	52.79	

1912 f with center of field clear everything

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919 1911			Pennith	7 1/2 mi	NE NNE	Dooley Br.	2 m	N



RAINFALL at Ullswater Sharrow BayCounty of HestonlandObserver M. G. Robinson (gauge) 15River Basin Edens 1mye EasternGlaisher Rain Gauge, by  
(126)

Diameter ...	5"											
Height .....	0 7											
Altitude ...	600											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	6.23	9.55	4.20	3.79	4.42	6.40	9.00	5.96	11.23	.62	10.03	
February ...	4.65	.04	5.55	9.64	.65	8.44	4.90	2.75	6.21	.00	.64	
March .....	10.50	8.45	3.70	2.07	1.05	1.75	1.80	5.32	6.53	.87	2.26	
April .....	4.36	1.02	3.60	5.05	2.66	5.80	3.20	3.39	0.88	1.42	1.72	
May .....	5.45	1.93	1.80	3.30	5.20	6.14	2.32	1.94	1.55	3.33	2.29	
June .....	1.35	.01	2.25	1.94	1.92	.00	3.35	3.79	7.02	1.11	1.17	
July .....	5.68	2.00	5.52	2.05	5.22	1.80	2.33	4.43	5.57	4.87	4.76	
August .....	(2.00)	4.05	2.97	8.15	3.31	4.23	5.60	6.90	8.59	3.88	9.35	
September...	4.27	1.78	3.74	4.90	7.66	4.24	5.15	6.90	2.25	(1.90)	4.38	
October .....	1.71	2.50	1.02	9.52	4.30	7.10	5.52	7.16	10.81	(6.26)	9.44	
November...	5.43	2.68	(2.50)	6.10	4.60	1.90	11.12	5.50	9.92	11.47	6.15	
December...	6.00	6.50	10.55	4.13	10.19	6.12	1.10	1.78	4.53	11.60	7.07	
TOTALS...	(57.63)	40.51	(47.40)	60.64	51.18	53.92	55.39	55.82	72.89	46.83	59.26	

1920 Gauge tampered with August.

1929 Sept Oct. adjusted.

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
1920			Pennith	7 mi	N 12	Pooley Bridge	2 mi	N

RAINFALL at Ullswater (Sharrow Bay)County of WestmorlandObserver Mr. G. Robinson, Sept. 1937River Basin Eden - 1M. T. A. Nelson  
R. Markham Esq. (1939)Type of Gauge Small standardAnnual Average 45.8 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. 5

817357/28.

Diameter	5.											
Height	1.0.											
Altitude	600.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	(4.28)	10.00	7.60	7.63	2.17	7.36						
February	(3.76)	.06	5.05	.23	7.15	3.51						
March	.98	3.19	4.37	3.57	.98	2.23						
April	1.96	4.53	1.89	4.07	4.70	1.72						
May	3.48	2.66	2.94	3.85	.73	1.63						
June	5.53	2.88	1.81	1.96	3.29	2.98						
July	4.60	5.24	3.59	2.14	1.75	3.52						
August	3.50	1.10	2.58	4.28	1.87	1.27						
September	2.22	4.94	1.62	4.59	8.48	4.96						
October	2.74	7.77	4.57	7.76	8.47	4.59						
November	10.57	3.81	2.70	.90	2.86	5.63						
December	2.60	7.11	.40	9.80	3.27	8.56						
TOTALS	(46.22)	53.29	39.12	50.78	45.72	47.96						

1932. New 5" Standard No. gauge installed 1/32.

1933. In open field.

1934. Liberry beco about 20' high 30-40 yds. from gauge W.

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
1931.			Penrith	7 1/2 m	N.E.	Barton	4 m	N.E.