

RAINFALL AT

Kendal Ellengreen

80

Lat.

Lon.

County of Westmorland

Rain Gauge, by

Observer

Geo. H. Jenner

Kent. 3

Diameter								5			
Height								1.3			
Altitude								290T			
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								4.18	3.54	4.36	
February								3.57	1.35	5.14	
March								2.15	3.47	3.98	
April								3.25	2.49	2.43	
May								1.78	3.32	4.19	
June .....								.48	2.48	1.29	
July								2.98	7.49	4.38	
August								2.57	4.16	5.39	
September....								4.98	1.77	2.60	
October								2.23	6.33	6.48	
November....								3.67	7.47	3.98	
December								4.99	6.30	4.56	
TOTALS								36.83	50.17	48.78	

1887 Burneside Church 1/4 mile E
 Trees 35 ft high 75 ft N
 " 30 ft " 102 " S W

RAINFALL AT

Kendal Ellergreen

Lat.

Lon.

County of Westmorland

Rain Gauge, by

Glaeser

J. Cropper Esq

Kent - 3

Diameter	5										
Height	13				16						
Altitude	270 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	10.50	4.92	7.17		7.02	3.11	4.94	1.40	6.70	10.11	
February ....	.87	.87	2.31		10.63	.85	4.19	5.19	6.61	5.45	
March	5.94	2.57	1.36		4.28	5.64	8.59	10.10	1.68	3.41	
April	1.99	2.43	1.77	.98	2.50	3.27	2.01	3.23	5.51	5.82	
May	3.18	2.40	6.70	2.64	4.35	.73	.49	2.81	3.03	5.78	
June	4.07	1.38	4.21	1.56	3.72	2.60	3.94	4.36	4.08	1.61	
July	5.35	3.70	2.99	4.70	3.95	8.88	3.99	2.07	1.26	4.08	
August	5.84	11.93	9.53	4.96	5.09	7.05	2.62	6.20	10.85	2.05	
September....	3.11	7.58	11.19	5.79	.37	1.85	8.56	6.80	2.74	7.09	
October	5.28	6.42	6.19	6.20	5.69	6.33	6.19	3.34	6.02	5.43	
November....	7.00	5.35	5.99	3.19	7.84	6.26	2.09	8.23	6.37	4.83	
December	1.01	11.16	3.59	6.74	7.75	6.21	9.70	10.58	9.27	3.50	
TOTALS	54.14	60.73	63.00		63.19	52.78	57.31	64.31	64.12	59.16	

1890 Burnerside Church 1/4 mile E

Tree 36 ft high 69 ft N

30 " 90 " S

1893 Record for first three months accidentally burnt

RAINFALL AT Kendal Ellergreen

Lat.

Lon.

County of

Westmoreland

Recorder Rain Gauge, by N & J

Observer

J. Cropper Esq

Kent - 3.

Wm. G. Hay & J. Cropper Esq

Diameter ..	5				8						
Height	1 6					3 0		1 6			
Altitude ..	270 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.88	4.42	4.08	9.87	6.31	2.66		1.48	8.54	4.83	
February ..	4.47	1.60	2.36	7.11	3.77	2.94		4.23	3.20	2.68	
March ....	.48	5.41	3.67	7.46	3.30	3.67		6.83	4.61	4.34	
April	4.34	4.21	2.34	2.32	5.16	4.79		2.93	2.74	4.66	
May	3.05	2.37	3.32	4.05	3.39	2.08		7.09	5.01	2.51	
June	4.39	3.33	1.95	2.88	1.50	2.28		11.00	3.40	3.04	
July	2.81	1.86	4.06	5.83	3.32	2.09		4.02	5.40	6.60	
August	6.11	4.68	3.68	9.88	4.30	5.05		6.59	6.01	3.42	
September ..	5.15	3.73	2.85	8.40	3.15	2.72		.84	7.28	3.87	
October	9.84	6.45	4.81	12.68	3.18	3.55		6.56	3.31	9.30	
November ..	6.27	6.15	4.74	4.16	3.81	6.38		4.97	4.82	2.75	
December ..	11.70	7.97	7.50	5.92	5.20	3.10		9.64	4.69	10.85	
TOTALS ..	67.49	52.18	45.36	80.56	46.39	41.31		66.18	59.01	58.85	

1900 Burnside Church, 440 yards E
Trees 33 ft high 69 ft N

1904 a New self registering gauge erected in addition to
Burnside Station 240 yards E
House 40 ft high 30 ft - N

RAINFALL at Kendal EllergreenCounty of WestmorlandObserver C. J. Cropper Esq
W. J. MarshallRiver Basin Kent 3Rain Gauge, by N+3

Diameter ...	5											
Height	16						20	1.6				
Altitude ...	2707						325	270				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	8.04	3.45	4.87	5.97	6.87	7.25	8.68	3.14	5.01	7.04		2687
February ...	7.58	9.27	4.62	3.83	8.05	9.70	6.31	1.78	7.00	1.40		1649
March	2.43	2.26	7.82	7.35	6.68	2.51	2.36	2.72	2.53	5.19		1280
April	2.96	4.55	1.32	7.08	1.63	3.63	3.20	2.35	1.31	3.00		986
May	2.94	2.91	2.21	3.18	2.79	1.43	4.61	3.19	2.51	1.92		1223
June	1.94	3.20	7.36	5.20	1.54	1.37	3.03	3.25	3.19	2.99		1226
July	5.27	1.05	4.80	.87	4.14	5.70	4.09	2.77	7.26	1.96		1588
August	8.23	3.43	7.71	2.48	5.82	3.53	3.51	11.50	4.93	4.13		2477
September ..	.65	5.04	2.51	3.14	4.45	2.91	2.75	5.59	13.82	5.14		2730
October ...	2.50	5.99	7.33	4.72	2.13	1.32	12.15	10.49	8.40	2.52		3336
November ...	6.41	9.40	7.41	7.84	9.60	3.64	7.55	5.94	3.50	4.02		2101
December ...	5.58	9.58	8.86	3.30	10.74	9.84	5.06	3.39	9.83	10.13		2821
TOTALS ...	54.63	60.13	66.82	54.96	64.44	52.83	63.30	56.11	72.29	49.54		21124

1913 Hedge 6 phyl 18 ft 35

+ Inspector

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Burneside	300 yds	E	Burneside	300 yds	E

RAINFALL at Glendal EllengreenCounty of WestmorlandObserver G. J. Cropper Esq. died x/24River Basin Glent 3J. W. Cropper Esq. (1924)Rain Gauge, by 729 ft.Av 1881-1915 58.2

Diameter ...	5											
Height	1	6										
Altitude ...	270											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	8.75	10.93	6.65	6.09	5.67	6.61	10.32	7.92	15.25	2.12	17.90	2081
February ...	6.61	28.6	14	7.03	1.09	6.77	11.65	11.64	7.40	1.74	85.50	5385
March	7.23	8.17	4.01	2.33	3.28	2.58	4.41	7.72	5.50	1.31	6.64	5004
April	6.53	1.92	2.69	4.32	2.95	6.94	3.11	4.19	2.47	2.67	4.29	6029
May	7.76	4.21	4.36	3.89	7.73	7.32	3.17	4.06	0.90	3.56	3.35	4916
June	2.92	36	3.71	1.20	4.05	26	5.05	6.16	7.54	2.79	3.89	3694
July	7.36	2.72	6.74	6.20	5.91	2.62	6.40	6.82	8.94	6.70	6.59	6431
August	3.61	9.01	5.85	10.84	4.40	6.58	6.37	7.34	8.67	7.15	12.94	7602
September...	4.31	2.51	4.37	7.52	8.78	6.35	7.38	8.14	4.27	2.91	6.53	6024
October	1.97	2.97	2.12	10.00	5.90	8.66	5.92	6.32	8.95	8.13	17.73	7124
November...	4.25	3.27	3.85	9.50	5.11	2.85	9.81	7.46	11.34	11.32	11.52	7536
December...	6.43	9.96	9.01	6.55	13.53	7.46	2.07	1.29	5.65	10.36	11.31	7851
TOTALS...	67.63	56.31	59.70	75.47	68.40	66.00	75.66	72.06	86.88	60.76	102.54	74677

1920 Guss Wedge 6 ft high 21 ft W

1926 N.P. - big.

1927 - do -

The value of 103.54 for 1930 was a wrong version of Kentmere Hdr Res. actually no return was received for Ellengreen an error was published in B.R. 1931, see Min. 14. f 777526/27.

* 1930 ref. Burnside 3720

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
1920			Burnside	300 yds E	Burnside	440 yds E

RAINFALL at Kendal (Ellergreen)

County of WestmorlandObserver J. W. Crapper, Esq.River Basin Kent - 3Type of Gauge Hand Gauge (1940)Annual Average 58.2 in. based on 40 years obs. un-weighted. Period of average 1891-1935 Ref. S

777526/27

Diameter	5											
Height	1.6											
Altitude	270							290				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	6.00	8.75	5.90	7.76	2.74	6.73	6.02	10.13	6.78	2.65	6346	
February	6.00	.02	5.02	.31	8.85	2.48	8.27	3.21	6.29	7.87	4238	
March	1.10	4.16	4.09	3.71	1.98	3.71	1.92	3.77	3.16	6.49	3409	
April	3.00	4.72	2.59	4.75	4.91	.93	3.49	.68	2.28	2.17	2952	
May	3.60	5.34	2.86	4.97	.47	1.21	2.95	5.60	.84	0.93	2877	
June	7.60	3.06	2.55	3.67	6.46	5.00	3.38	6.66	3.82	1.15	4335	
July	7.30	6.81	3.54	1.98	2.64	6.47	3.77	7.53	8.92	5.71	5467	
August	4.50	1.97	3.88	5.17	4.38	4.10	2.72	3.55	3.51	1.68	3526	
September	2.40	7.34	1.14	7.55	10.19	6.72	5.69	2.72	2.16	4.64	5054	
October	5.30	10.05	6.09	9.41	9.01	6.09	2.82	14.59	1.97	6.69	7202	
November	12.50	5.22	2.44	1.21	6.02	6.23	1.68	8.99	9.50	7.35	6114	
December	5.70	7.54	1.22	9.59	3.94	9.70	5.09	5.19	3.52	6.37	5756	
TOTALS	65.00 N.R.	65.04	41.32	60.08	61.59	59.37	47.80	72.62	52.74	47.70	57326	
			D	D	D	D	D	D	D	D		

1933. New hedge 6' high 21' N.W.

Gravel Burneside 3720

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
			Burneside	300 yds.	N.	Burneside	440 yds.	N.E.

Station No. 3719

RAINFALL at Kendal (Ellengreen)

41

County of Westmorland

Observer T. W. Cropper Esq.

River Basin Kent - 3

Assistant R. A. Ballou

Type of Gauge Glaciator

Annual Average 58.2 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 77526/27

Diameter	5"				585	250					
Height	1' 6"					1					
Altitude	270'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.01	6.94	10.04	7.04	5.48	7.37	6.08	10.95	4.80	3.73	6.344
February	6.19	2.01	3.78	3.37	7.70	4.71	.76	5.20	5.05	8.14	4.686
March	3.92	4.09	1.63	.60	3.81	3.16	6.71	4.59	2.83	3.80	3.514
April	1.64	3.08	3.65	3.82	3.30	1.73	6.99	3.05	6.58	4.77	3.861
May	3.72	5.15	6.18	3.23	5.06	1.61	4.36	2.24	3.25	2.08	3.688
June	.40	1.00	5.68	4.66	5.37	5.57	4.31	8.38	1.49	4.01	4.087
July	3.47	4.89	5.63	4.13	3.43	5.81	5.10	3.00	4.09	5.45	4.500
August	5.80	5.87	9.65	4.66	2.37	5.42	.37	6.95	3.55	11.06	5.570
September	1.99	6.03	6.58	6.56	5.47	9.33	4.94	7.75	1.73	11.97	6.235
October	7.26	5.59	7.83	5.99	8.54	1.35	.97	4.95	7.66	5.96	5.610
November	3.87	1.39	3.82	9.88	4.5	10.56	10.83	6.46	8.00	5.84	6.110
December	3.42	8.13	3.83	6.62	3.87	7.12	3.34	7.00	10.18	3.35	5.686
TOTALS	42.69 D	54.17 D	68.25 D	60.56 D	54.85 D	63.74 D	54.76 D	70.52 D	59.21 D	70.16 D	59.891

1941: - Year hedge 6' high 21' N.W.

1942: - " " 7' " 30' W. & 6' high 33' N.

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

No. of Map

Reference No. 34-50956

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Burnside	300 yds	N.E.	Burnside	400 yds	N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 37/9RAINFALL at Kendal (Ellinggreen)

51

County of Westmorland

Observer

J. W. Cropper Esq.
Chas. Mr. E. A. Fallow.River Basin Kent - 3Type of Gauge GlasierAnnual Average 58.2 in. based on 40 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 777526/27

Diameter ...	5"				585	250					
Height ...	1' 6"					1					
Altitude ...	270'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	7.56	5.99	3.02	5.64	4.63						
February ...	5.59	1.31	3.86	4.03	1.79						
March ...	5.72	4.06	.93	4.12	1.74						
April ...	3.44	4.12	3.33	2.64	3.46						
May ...	1.36	2.90	3.44	5.01	4.48						
June ...	1.05	4.50	4.23	7.50	5.59						
July ...	4.01	2.52	6.91	5.87	2.00						
August ...	5.77	7.41	7.28	7.40	2.49						
September ...	6.21	5.09	9.69	11.04	4.24						
October ...	1.10	4.42	3.05	13.90	(3.47)						
November ...	10.03	3.02	9.62	10.41	3.04						
December ...	12.94	6.25	4.47	9.56	(8.35)						
TOTALS ...	64.78	51.59	59.83	87.12	45.28	NR.					
	D	D	D	D	D						

1951 Yew hedge 7' 30" W; Yew hedge 6' 35" N:

1955 Oct. + Dec. adj. M.O. 361

1956 } No answer to 2nd Appo

1957 }

00054

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 34-501956

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Burneside	300yd	NE	Burneside	400yd	NE

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	32-40	✓	
	-	✓ but 20-27	✓ but 32	✓	