

RAINFALL AT Kendal Ellergreen

80

Lat.

Lon.

County of Westmorland

Rain Gauge, by

Observer: G.W. Mr. Janner

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								1.48	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 $\frac{1}{4}$ mile E
 Trees 35 ft high 75 ft N
 " 30 ft . 102 S W

RAINFALL AT Kendal Ellergreen
 Lat. _____ Len. _____ County of Westmoreland

Kent - 3

Diameter	5									
Height	1.3			1.6						
Altitude	270 T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January	10.50	4.92	7.17		7.02	3.11	4.94	1.40	6.70	10.11
February87	.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	4.9	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	11.18	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 Punch 1st 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+3

Observer

Upper Esq
Highway Cottages

Kent 3.

Diameter ..	5				8					
Height	1.6					3.0		1.6		
Altitude ..	270 ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	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	4.48	5.41	3.67	7.46	3.80	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 Burneside Church ^{Station}, 440 yards E
 Trees 33 ft high 69 ft 18
- 1904 a New self registering gauge erected in addition to
 Burneside Station 340 yards E
 House 40 ft high 30 ft - 11

10 ၃၁၉

RAINFALL at Kendal Ellergreen

County of Westmoreland

Observer C. J. Copper Egg
and C. Marshall

River Basin Kent 3

Rain Gauge, by Mr. J.

Diameter ...	5'										
Height	16							20	16		
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	8.01	7.04	
February	7.58	9.27	4.62	3.83	8.05	9.70	6.31	1.78	7.00	1.40	
March	2.43	2.26	7.82	7.35	6.68	2.51	2.36	2.72	2.53	5.19	
April	2.96	4.55	1.32	7.08	1.63	3.63	3.20	2.35	1.31	3.00	
May	2.94	2.91	2.21	3.18	2.79	1.43	4.61	3.19	2.51	1.93	
June	1.94	3.20	7.36	5.20	1.54	1.87	3.03	3.25	3.19	2.79	
July	5.27	1.05	4.80	.87	4.14	5.70	4.09	2.77	7.26	1.96	
August	8.33	3.43	7.71	2.48	5.82	3.53	3.51	11.50	4.93	4.83	
September65	5.04	2.51	3.14	4.45	2.91	2.75	5.59	13.82	5.14	
October ...	2.60	5.99	7.33	4.72	2.13	1.32	12.15	10.49	8.40	5.52	
November ...	6.41	9.40	7.41	7.84	9.60	3.64	7.55	5.94	3.80	4.02	
December ...	5.58	9.58	8.86	8.30	10.74	9.84	5.06	3.39	9.83	10.13	
TOTALS ...	54.63	60.13	66.82	54.96	64.44	52.83	63.30	56.11	72.29	49.84	

1913 Hedge 6 jn high 18 ft SW

+ Inspector

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Burneside	300 400 yds	S E	Burneside	300 440 yds	S E

RAINFALL at Hendal Ellergreen

County of Westmorland

Observer G. J. Cropper Esq. died x/24

River Basin Sheet 3

J. W. Cropper Esq. (1924)

Rain Gauge, by N.Y.

Av 1881-1915 SB.2

1920 Yew Hedge 6 ft high 21 ft w

1936. N P. Big

- 80 -

The

The value of \$103.54 for 1930 was a wrong version of Katherine H. Pet. actually no return was received for Ellengreen, an annotation was published in B.R. 1931, see Min. 16, f. 777526/27.

* 1930 ref. Bunnida 3720

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
1920			Burneside	300 yds E	Burneside

RAINFALL at Kendal (Ellergreen)

County of Westmorland, Observer J. W. Crapper, Esq.

River Basin Kenr - 3

Type of Gauge Standard G.W.H. (1940)

Annual Average 58.2 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S

777826/7

Diameter	5.										
Height	1.6.										
Altitude	270.	280.									
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	6.03	10.13	6.48	2.65	6.246
February	6.00	.08	5.02	3.31	8.85	2.48	8.27	3.21	6.29	4.87	4.238
March	1.10	4.16	4.09	3.71	1.98	3.71	1.92	3.77	3.16	6.49	3.409
April	3.00	4.72	2.59	4.75	4.91	.93	3.49	.68	2.28	2.17	2.952
May	3.60	6.34	2.86	4.97	.47	1.21	2.95	5.60	.84	0.93	2.877
June	7.60	3.06	2.55	3.67	6.46	5.00	3.38	6.66	3.82	1.15	4.336
July	7.30	6.81	3.54	1.98	2.64	6.49	3.77	7.53	8.92	5.71	5.467
August	4.50	1.97	3.88	5.17	4.38	4.10	2.72	3.55	3.51	1.68	3.526
September	2.40	7.34	1.14	7.55	10.19	6.72	5.69	2.72	2.16	4.64	5.054
October	5.80	10.05	6.09	9.41	9.01	6.09	2.82	14.59	1.97	6.69	7.202
November	12.50	5.22	2.44	1.21	6.02	6.23	1.68	8.99	9.50	7.35	6.114
December	5.70	7.54	1.22	9.59	3.94	9.70	5.09	5.19	3.52	6.37	5.786
TOTALS	(6500) N.R.	65.04	41.32	60.08	61.59	59.37	44.80	72.62	52.74	47.70	57.326

1933. Yew Ledge 6' high 21° N.W.

Barneside 3720

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	Parish Church.	Distance from gauge	Direction
			Barneside	300yds	N.	Barneside	440yds	N.E.

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

Station No. 3719

41

RAINFALL at Kendal (Ellengreen)

County of Westmorland Observer T. W. Cropper Esq.
 River Basin Kent - 3 ^{W.L.} A. Ballou
 Type of Gauge Glycerine

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

File No. 777526/27

Diameter	5"			580	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	10.98	4.80	3.73	63.44
February	6.19	2.01	3.78	3.37	7.70	4.71	7.6	5.20	5.05	8.14	46.86
March	3.92	4.09	1.63	6.60	3.81	3.16	6.71	4.59	2.83	3.80	35.14
April	1.64	3.08	3.66	3.82	3.30	1.73	6.99	3.05	6.58	4.77	38.61
May	3.72	5.15	6.18	3.23	5.06	1.61	4.36	2.24	3.25	2.08	36.88
June	4.0	1.00	5.68	4.66	5.37	5.57	4.31	8.88	1.49	4.01	40.87
July	3.47	4.89	5.63	4.13	3.43	5.81	5.10	3.00	4.09	5.45	45.00
August	5.80	5.87	9.65	4.66	2.37	5.42	3.7	6.90	3.55	11.06	55.70
September	1.99	6.03	6.58	6.56	5.47	9.33	4.94	7.76	1.73	11.97	62.35
October	7.26	5.59	7.83	5.99	8.54	1.35	.97	4.95	7.66	5.96	56.10
November	3.87	1.39	3.82	9.88	4.5	10.56	10.83	6.46	8.00	5.84	61.10
December	3.42	8.13	3.83	6.62	3.87	7.12	3.34	7.00	10.18	3.35	56.86
TOTALS	42.69	54.17	68.25	50.56	54.85	63.74	54.76	70.52	59.21	70.16	598.91

1941: - Yew hedge 6' high 21° N.W.

1942: - " 7' 30' W. + 6' high 33° N.

Position of Station on reduced Ordnance Survey Map, No. of Map 34-521956
 1 mile to 1 inch Series

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

Station No. 37/9

51

RAINFALL at Kendal (Ellengreen)

County of Westmorland

Observer

J. W. Cropper Esq.

River Basin Kent - 3

Observer Mr. C. A. Fellow.

Type of Gauge Glasser

Annual Average 58.2 in. based on 40 years obs. w-weighted. Period of average 1881-1915 Ref. 5

File No. 777526/27

Diameter ...	5"				585	250				
Height ...	1' 6"						1			
Altitude ...	270'						51			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	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	4.28	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 Years hedge 7° 30' W; Years hedge 6° 35' N:

1955 Oct. + Dec. adj. 20.3 b1

1956 } No answer & 2nd diff 20

1957

00054

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 34-501930

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Burneside	300yd NW	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
	5	✓	✓	32-40	✓	✓