

RAINFALL AT

Wye - Pyschlimmon

Nº 42

Lat.

Lon.

County of

Cardigan

Rain Gauge, by

Observer

M Wye-5.

Diameter					5						
Height					10						
Altitude					1740						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						11.15	5.85	3.25	10.05	10.65	
February						1.45	4.05	9.08	7.38	3.18	
March						13.30	11.75	7.95	3.05	7.25	
April						4.95	2.80	6.77	4.45	(9.50)	
May60	.50	3.65	8.25	5.95	
June						1.48	5.95	5.25	7.95	2.97	
July						12.30	4.40	4.85	1.47	8.95	
August						10.05	8.15	6.95	10.85	3.40	
September....						3.15	13.75	12.15	3.50	11.35	
October					8.50	8.90	8.10	2.88	8.95	7.60	
November....					8.90	5.50	3.40	10.45	6.75	5.48	
December					11.25	8.60	10.35	6.35	10.25	4.97	
TOTALS						81.43	77.05	79.58	82.90	(81.25)	

Hydro No 464069

Nº 54(22) 789837

HT 530 M

RAINFALL AT

Wye - Plympton

Hydro No 464069 wef 1/1/00 to 464070

No 42

Lat.

Lon.

County of

Cambridgeshire

Rain Gauge, by

Observer

Met. Water Board Dr. H. L. Mill

Wye - 5.

M

M. G. B. M. L.

Diameter ..	5										
Height	1.0										
Altitude ..	1740										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	10.95	8.80	9.45	12.95	9.98	8.95	16.05	8.05	12.20	7.70	
February ..	4.00	1.50	1.60	10.45	11.45	7.45	10.08	5.40	10.35	3.00	
March	1.50	6.95	7.25	11.95	4.50	11.15	11.20	7.20	7.70	5.50	
April	5.98	7.40	2.65	6.00	9.95	8.20	3.50	5.70	5.50	7.20	
May	4.30	1.38	8.00	5.88	4.97	2.10	8.50	5.95	5.60	4.20	
June	7.45	7.00	4.00	3.70	4.50	4.30	4.00	15.25	5.30	4.80	
July	4.00	4.40	4.28	7.60	4.18	6.80	4.75	7.20	10.00	12.20	
August	10.55	11.95	8.45	15.85	8.95	10.95	8.75	14.35	9.70	8.70	
September ..	7.10	5.00	3.30	10.17	4.50	5.50	3.70	1.60	10.40	7.50	
October	11.95	10.35	10.65	24.55	9.05	8.95	11.05	11.35	4.40	14.20	
November ..	11.80	12.87	5.80	12.15	8.45	8.00	10.65	7.45	6.20	6.00	
December ..	16.05	12.00	10.85	6.50	8.78	4.80	12.85	10.90	10.00	16.20	
TOTALS ..	956.3	896.0	762.8	127.75	89.26	87.15	105.08	100.40	97.35	97.20	

m m m m

1908 Ypsgby Church 8 miles S
 Bente Bridge Station 6 1/2 S W
 1907 June 1 Gauge moved 500 yards E -

Hydro No 464069

wef 1.6.03

Hydro No 464070

NK SN(22) 789837

NK SN(22) 791837

HT 530 M

HT 512 M

g/c 1/1071

Inspected VIII. 96 HSW "g. and obs. quite satisfactory"

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

Station Plinlimon No. 50-464070
 County Cardiganshire (Old No. 4140)
 Authority SN(22)751837
 Grid Ref. 1680
 Altitude 1680 ft.
 River Basin WYE
 File TF / MWR / m / a Tributary

	1961	1962	1963	1964	1965	1966	1967	1968	1969	Means
January ...				13.00		13.70	3.60			
February ...				10.00		11.00	2.80			
March ...				16.20		6.50	5.20			
April ...				3.60		11.80	7.00			
May ...				5.50		7.10	5.10			
June ...				4.10		6.20	5.60			
July ...				6.70		5.80	6.20			
August ...				7.00		7.00	15.90			
September ...				7.30		8.70	12.70			
October ...				4.60		17.70	15.20			
November ...				11.80		8.50	16.00			
December ...				12.60		10.50	7.30			
TOTAL ...				102.40		114.50	103.20			
Percentage ...										

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915in.

1916-1950in.

.....in.

Type and capacity of gauge

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

Earliest year with complete data (D : W : M).....

*NOTES on years with incomplete or unsatisfactory data:-

Original 10-yr. sheet missing - values copied from
 section B - years 1890 - from archives
 (1914, 1916, 1917, only) 13.5.69 YQ

*Each note to be dated. Continue notes overleaf if necessary.

RAINFALL at PhynllovaCounty of Cardigan

Observer

D. H. R. Mill

River Basin

Wye 5James Thomas

Rain Gauge, by

No.

An. Av. 93.01 " 1916-50.

Diameter ...	5										
Height	1.0										
Altitude ...	1740										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	11.10	7.30	9.30	11.60	13.00	15.60	13.70	3.60	8.40	11.10	
February ...	13.00	9.50	5.50	4.00	10.00	9.50	11.00	2.80	5.50	4.50	
March	3.00	7.00	17.00	14.20	16.20	8.40	6.50	5.20	6.70	13.00	
April	9.00	7.00	1.90	10.50	3.60	6.10	11.80	7.00	7.40	9.50	
May	6.00	2.90	3.10	6.40	5.50	2.20	9.10	5.10	9.00	5.50	
June	10.50	*8.20	10.70	11.00	4.10	2.50	6.20	5.60	8.20	14.50	
July	12.30	1.50	9.00	5.30	6.70	9.30	5.80	6.20	8.70	6.50	
August	7.00	*8.20	17.80	6.40	7.00	8.50	9.00	15.90	12.00	10.00	
September ..	1.50	*8.20	3.70	5.50	7.30	3.90	8.70	12.70	16.00	1.90	
October ...	7.50	*8.20	11.70	5.80	4.60	3.60	17.70	15.80	15.80	5.00	
November ...	9.10	14.40	11.40	15.40	11.50	5.20	8.50	16.00	15.70	11.20	
December ...	12.50	13.00	17.60	9.10	12.60	15.40	10.50	7.30	16.00	19.50	
TOTALS ...	102.50	95.40	118.70	105.20	102.40	99.20	114.50	103.20	129.40	119.30	108.08

*Obsr asserts that this is correct h.i.r.

1911 g. found to be leaky and new inner can supplied 14.11

1914 May 1st found 300 yds. 1.1.17 g. moved 7/8 mi SW.

1916 g. leaky

Extract from letter from W. L. Llewellyn 10.11.17. The new position (from 1.1.17) is much more in accordance with requirements than the old. Response v. suitable. Obsr. v. intelligent & conscientious. Glass, tested by g.g. Inner can will be soaked, but new outer can req? [suspected]. The ground is peaty and at present water drains from outside into outer can and inner can floats in it & raises the funnel. Suggested putting hole with clay.

1917 g. moved Jan. 1st 1920 500 yds. East.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	51	4	Devils Bridge	9 m 6 1/2	S	Uppity Cymfyn Llyfyll	5 7 m	S S

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

1920-30

464068

4140

Station Plynlimon No.
 County Cardigan (Old No.)
 Authority Grid Ref. SN(22) 792841
 Altitude 1630 ft.
 River Basin
 File TF MWR / m / a Tributary

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	13.10			13.04	8.00	7.30	9.10	12.50	15.40	3.60	11.60
February ...	10.00			12.69	2.78	13.20	9.00	7.40	14.00	2.60	1.00
March ...	12.00			4.00	3.74	3.31	7.60	8.70	4.40	2.30	5.20
April ...	14.60			8.00	5.92	6.44	4.10	7.40	4.00	1.50	5.00
May ...	11.90			9.04	8.87	8.35	5.30	2.90	1.90	5.40	5.50
June ...	6.50			3.31	4.35	3.35	5.80	10.70	14.20	9.10	4.50
July ...	15.80			8.52	8.44	8.35	11.50	6.20	8.20	9.00	11.50
August ...	4.70			10.61	14.43	9.04	10.90	14.20	10.60	10.20	9.50
September ...	10.70			10.44	11.48	10.40	8.60	13.40	3.00	4.00	11.00
October ...	5.60			13.91	12.35	13.20	9.00	8.80	13.20	(15.50)	19.00
November ...	6.30			8.87	6.26	4.30	(11.80)	11.20	13.80	(22.50)	10.00
December ...	9.30			14.00	10.95	9.50	4.80	3.00	9.00	(21.50)	12.50
TOTAL ...	120.50	NR	NR	116.43	97.57	93.74	97.50	106.40	111.70	(107.20)	106.30
Percentage ...											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915in.

1916-1950in.

.....in.

Type and capacity of gauge

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

REMOVED JAN 1923 1/4 MILE TOWARD PLYNLIMON ALT 1630' x 1/4 1/277

Earliest year with complete data (D : W : M).....

*NOTES on years with incomplete or unsatisfactory data:-

1929 obs - see part ext'd totals because of over flowed. Newsg from 1-1-30

Original 10-yr chart missing. Values copied from
 *Each note to be dated. Continue notes overleaf if necessary. seek in 'B' forms 1090. from Brechin
 10/62 (420) Wt. 24625/B.J.449. 3 m. J.A.J.Ltd./1895.
 13-5-69

RAINFALL at PlymptonCounty of CardiganObserver British Rainfall Organization
(James Thomas) (paid 66s)River Basin 5Arminich9-25 { Bradford Rain Gauge, by 18531 correct 4 sound
measure 3.95 holds 2 inchesAn. Av. 93.01
1916-50

Diameter ...	5												
Height	1.0												
Altitude ...	1440		1630										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEANS.	
January ...	13.10	12.10	6.50	13.04	8.00	7.30	9.10	12.50	15.40	3.60	11.60		
February ...	10.00	1.00	13.00	12.69	2.78	13.20	9.00	7.40	14.00	2.60	1.00		
March	12.00	11.00	7.50	4.00	3.94	3.31	7.60	3.70	4.40	2.30	5.20		
April	14.60	3.00	5.50	8.00	5.92	6.44	4.10	7.40	4.00	1.50	5.00		
May	11.90	5.00	2.16	9.04	8.87	8.35	5.30	2.90	1.90	5.40	5.50		
June	6.50	1.50	2.70	3.31	4.35	3.5	5.80	10.70	14.20	9.10	4.50		
July	15.80	7.00	8.35	8.52	8.44	8.35	11.50	6.20	8.20	9.00	11.50		
August	4.70	11.00	6.61	10.61	14.43	9.04	10.90	14.20	10.60	10.20	9.50		
September...	10.70	5.00	9.04	10.44	11.48	10.40	8.60	13.40	3.00	4.00	11.00		
October	5.60	5.00	2.09	13.91	12.35	13.20	9.00	8.80	13.20	15.50	19.00		
November...	6.30	7.00	4.00	8.87	6.26	4.30	11.80	11.20	13.80	22.50	10.00		
December...	9.30	13.50	8.37	14.00	10.95	9.50	4.80	3.00	9.00	21.50	12.50		
TOTALS...	1205.0	52.10	77.81	116.43	97.57	137.4	97.50	106.40	111.70	107.20	106.30		

new. 1.20. 1929. Oct. - Dec. est. from slack. New R. Jan. 1930.

1921. Plympton 2469 Lge 669 N.

1922. Bld. March Jan. 1. 1923. 4 mile toward Plympton

1923 Corrected by map as indicated.

Installed 9.26.9.25 3. on rough wood to west of path to Plympton summit above farm. This is in a wide gully running N.E. with Plympton mass to west & up end to E. The exposure is excellent although the ground round is wet.

It was found that the observer had taken 2.0 inches as equivalent to 1 1/2 inches & ignored decimals. The original values have been corrected in this ratio presented in red ink from May 1924 to Dec 1924.

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	Parish Church.	Distance from gauge	Direction
			Duals Bridge	5 mi	S	Hygey Cyprian	6 mi	S

RAINFALL 1961-1970

Station Plynlimon No. 31-40 4140
 County Cardigan (Old No.)
 Authority Grid Ref.
 Altitude ft.
 River Basin
 File TF MWR / m / a Tributary

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Means
January ...	13.00	12.00	10.00	9.50	5.00	15.00	11.00	13.50	10.50	8.00	
February ...	14.00	1.00	7.50	.20	11.00	(4.50)	14.10	6.00	10.00	7.50	
March ...	3.00	7.00	6.50	7.00	3.50	5.00	6.50	5.50	4.25	9.00	
April ...	9.00	7.50	1.50	6.00	7.50	(5.50)	10.00	1.60	5.50	6.00	
May ...	11.50	11.00	3.50	6.50	2.00	(4.50)	2.50	3.30	1.50	5.00	
June ...	9.50	1.50	7.00	4.00	(7.50)	(8.50)	6.70	9.20	5.00	2.00	
July ...	9.50	9.50	5.00	5.50	(2.40)	(14.00)	6.50	10.50	15.00	11.50	
August ...	11.50	2.00	3.50	11.50	5.50	(3.00)	2.00	6.30	6.00	7.00	
September ...	5.00	11.00	1.50	7.00	13.50	(8.50)	6.00	5.30	3.00	9.00	
October ...	6.50	15.00	9.50	14.00	17.00	10.50	4.50	13.20	3.50	11.00	
November ...	8.50	9.50	2.50	4.50	8.50	13.50	3.70	12.40	20.00	16.00	
December ...	12.50	4.00	3.50	15.00	7.00	(16.00)	7.50	8.20	7.00	11.00	
TOTAL ...	113.50	91.00	61.50	90.70	90.40	(108.50)	81.00	95.00	91.25	103.00	
Percentage ...											

AVERAGE ANNUAL RAINFALL

1881-1915in. Actual
 1916-1950 93.01in. Estimated from data for:-
in. 1916-50

Type and capacity of gauge

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

Earliest year with complete data (D : W : M).....

*NOTES on years with incomplete or unsatisfactory data:-

1936 monthly totals allocated from sum. stats.

Original 10-yr sheet missing. Values copied from section B.

*Each note to be dated. Continue notes overleaf if necessary.

Forms 1090 - from Archives

RAINFALL at PlymptonCounty of CardiganObserver Meteorological Office and J. ThomasRiver Basin S. Wye

Type of Gauge

Annual Average 1938.2in. based on 5 years obs. un-weighted. Period of average 1891-1915 Ref. S

93.01

1916-50

970198/29

Diameter	5.											
Height	1.0.											
Altitude	1630											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	13.00	12.00	10.00	9.50	5.00	15.00	11.00	13.50	10.50	8.00	10.750	
February	14.00	1.00	7.60	2.0	11.00	(4.50)	14.10	6.00	10.00	7.50	7.580	
March	3.00	7.00	6.60	7.00	3.50	5.00	6.50	5.50	4.25	9.00	5.725	
April	9.00	7.50	1.50	6.00	7.50	(5.50)	10.00	1.00	5.50	6.00	6.010	
May	11.50	11.00	3.60	6.50	2.00	(4.50)	2.50	3.30	1.50	5.00	5.130	
June	9.50	1.50	7.00	4.00	7.50	(8.50)	6.70	9.20	5.00	2.00	6.090	
July	9.50	9.50	6.00	5.50	2.40	(14.00)	6.50	10.50	15.00	11.50	8.940	
August	11.50	2.00	3.50	11.50	5.50	(3.00)	2.00	6.30	6.00	7.00	5.830	
September	5.00	11.00	1.50	7.00	13.50	(8.50)	6.00	5.20	3.00	9.00	6.920	
October	6.50	15.00	9.50	14.00	17.00	10.50	4.50	13.20	3.50	11.00	10.470	
November	8.50	9.50	2.50	4.50	8.50	13.50	3.70	12.40	20.00	16.00	9.910	
December	12.50?	4.00	3.50	15.00	7.00	(16.00)	7.50	8.20	7.0	11.00	9.170	
TOTALS	166.20	113.50?	91.00	61.50	90.70	90.40	108.50	81.00	95.00	91.25	103.00	9.2685

1936 * Monthly stations allocated by surrounding stations.

792841
NCR SN(22) 791837Position 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
1937			Wlanidloe	13 mls	E	Tophyddy Cymfyr	6 mls	S.W.

RAINFALL at Plynlimon

41

County of CardiganObserver DJ Thomas, Esq. for MORiver Basin 5-Wye

Type of Gauge

Annual Average 128.2 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref 5

93.01 - 116-50.

File No. 970198/29

Diameter	5				464	068					
Height	10					1					
Altitude	630					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.50	9.50	9.00	15.00	8.00	13.00	4.50	14.00	6.00	4.20	
February	8.00	5.00	7.00	7.00	(10.00)	13.00	(2.00)	5.00	3.50	10.00	
March	9.00	4.50	4.00	2.50	(6.50)	3.00	12.00	5.50	4.90	3.70	
April	4.00	4.00	5.00	4.50	3.00	4.00	4.50	4.00	8.10	8.00	
May	5.00	8.00	6.00	5.00	9.00	3.00	3.50	3.00	6.70	1.60	
June	(1.80)	3.00	12.00	(9.00)	10.00	7.00	4.00	8.00	1.50	5.00	
July	5.20	11.00	8.00	(8.00)	5.00	10.00	(6.00)	(5.00)	(10.70)	7.30	
August	12.00	13.00	11.00	7.00	7.00	15.00	10	8.00	5.50	12.50	
September	2.00	12.00	11.00	10.00	8.00	17.00	6.00	6.50	3.00	18.00	
October	11.00	13.00	8.00	12.00	5.50	5.50	3.00	7.20	11.30	3.20	
November	5.00	1.50	12.00	(20.00)	1.20	11.00	(9.50)	6.00	11.00	10.50	
December	10.00	11.00	(6.00)	(7.00)	6.00	6.00	(12.50)	7.50	12.00	5.00	
TOTALS	77.50	95.50	99.00	(107.00)	79.20	104.50	(67.60)	79.70	82.70	89.00	

1941 Jan + Feb app. f.maps
June + July app. f.maps
May 1945. Thomas stated that g. was broken. It has since been repaired. (VIII.45) nearby stns.
1945 Feb. + March amended.
1947 n.p. too much ex. 1948 n.p. low.
1949 Nov + Dec. App. n.p. low.
1950 n.p. too low.

1943. Dec. cond. by ref. to nearby stns. f.maps.
1944 June, July, November + December adj. by ref. to nearby stns.

20434 00404

NG.R. SN 732841
741337

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
	01004		00014 01434	30004				

BRITISH RAINFALL ORGANIZATION

Air Ministry, Meteorological Office

Station No. M. 4190

RAINFALL at Plympton

County of Cardigan

Observer D.J. Thomas Esq. for M.O.

River Basin S - Lye

Type of Gauge Bradford

Annual Average 108.0 in. based on 5 years obs. un-weighted. Period of average 1881 - 1915 Ref. S

93.01

1916 - 50.

File No. 70198/29

Diameter ...	5"				464	068					
Height ...	1'					1					
Altitude ...	1630'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	8.50	7.00	4.80	8.50	4.70	8.40	6.30	6.00	8.60	10.30	
February ...	7.00	4.50	4.80	6.20	4.00	2.00	5.80	12.60	2.70	5.20	
March ...	11.00	5.00	7.60	6.50	3.80	1.80	7.30	2.20	5.40	3.50	
April ...	7.70	3.00	4.20	2.10	8.80	2.50	0.80	4.00	7.20	2.60	
May ...	2.60	4.00	4.80	4.50	8.00	3.20	3.30	7.40	2.40	2.60	
June ...	3.00	7.30	5.50	8.00	8.20	2.50	4.00	4.50	5.50	3.50	
July ...	3.50	2.70	7.50	12.30	4.70	5.50	11.80	8.50	9.40	8.70	
August ...	7.80	6.80	7.50	9.50	3.60	13.00	13.50	7.50	1.20	8.50	
September ...	8.00	6.70	7.00	11.70	6.10	10.70	16.50	12.30	1.80	10.50	
October ...	2.60	10.00	4.10	14.50	5.90	(7.50)	12.50	8.20	16.00	(6.75)	
November ...	10.50	4.70	6.50	11.00	2.90	4.90	4.50	6.60	9.40	15.60	
December ...	7.50	7.00	3.70	11.00	8.20	7.50	9.10	6.50	14.70	15.30	
TOTALS ...	83.70	70.70	72.70	105.80	68.80	69.50	95.40	85.20	84.30	97.05	

1751 n.p. low

1752 n.p. low

1753 n.p. low

1754 n.p. low

1755 n.p. low

1756 n.p. low

1757 n.p. low

1758 n.p. low

1760 Imp. Pie Chute (9/60) Collecting can leaks 9/6 SE-SSW Alt site 250' S.S.W. Still 9/6 NNE-E but better in other direction. New gauge 10000 issued. 1959 PRINT. M.O. - NOV. post est. M.O. 36.

SEPT 1960 New octapet installed at new site

00044

00044

No change in type. No. New adopted. Proposed New Site SN(22)91839 &

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference SN02772871

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ 17.50 n.p.	
	All blank	All blank	only 17.50 n.p. retained	17.47-7.11	17.41-3 blank

PRB/MO36