

440
HYDRO No 464069 N^o4

RAINFALL AT Wye - Pylchymon N^o 42

Lat.

Len.

County of

Cardigan

M Wye-5.

Rain Gauge, by

Observer

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											8143 79.05 79.58 82.90 (81.25)

HYDRO No 464069

N^o 4 (22) 789837

HT 530 M

RAINFALL AT Wye - Plymhampton

HYDRO NO 464069 wef 1/6/03 464070

Lat.

Lon.

County of Cornwall

No 42

Rain Gauge, by

Observer Met. Water Board Dr H C Mill

Wye - 5.

m

m to Board

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	16.25	5.80	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	76.28	127.75	89.26	87.15	105.08	100.40	97.35	97.20	

m m m - m

1908 Yatgry Church 8 miles S 5.65

Dento Bridge Station 6 1/2 . 5.5

1907 June 1 Gauge moved 500 yards E -

HYDRO NO 464069 wef 1/6/03 HYDRO NO 464070

N & R SN(22) 789837

N & R SN(22) 79/837

HT 530 M

HT 512 M

S/SC 1/677

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

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

Station Plynlimon No. 50-164070
 County Cardiganshire No. 4140
 Authority _____
 File _____ TF. _____ / MWR / m / a Tributary _____
 Grid Ref. SN (22) 721837
 Altitude 1680 ft.
 River Basin WYE

	1961	1962	1963	1964	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	15.80			
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:-

1881-1915 in.
 1916-1950 in.
 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 previous 13.5.69 T6
 (1914, 1916, 1917, only).

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

RAINFALL at Plymstock

County of Cardigan

Observer Dr H.R. Mill

James Thomas

River Basin Wye 5

Rain Gauge, by

m

An. A.v. 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	5.60	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	14.80		
July	12.80	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	8.60	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	8.90		
October ...	(7.50)	*8.20	11.70	5.80	4.60	3.60	11.70	15.80	15.80?	5.00		
November ...	(9.10)	14.40	11.40	15.40	11.80	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	7.80	16.00	19.50		
TOTALS ...	(102.50)	95.40	118.70	105.20	102.40	90.20	114.50	103.20	129.40	119.30	108.080	

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

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

1914 May 1st removed 300 yards N. 1.1.17. g. moved 2 miles SW.

1916 g. leaky

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

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

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	51	4	Devils Bridge	6 m	S	Usk Valley Cymwyn Safnhyd	5 m	S

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

464068

Station Plynlimon
County Cardigan

Authority

No.
(Old No.)
Grid Ref. SN1223) 790841
Altitude 1630 ft.
River Basin

File

TF. / MWR / m / a Tributary

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
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	.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:-

1881-1915 in.
1916-1950 in.
..... in.

Type and capacity of gauge

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

HOVERED JAN 1923 1/4 MILE TOWARD PLYNLIMON ALT. 1630' X 1/2 1.277

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

*NOTES on years with incomplete or unsatisfactory data:-

1929 Oct-Dec part cal'd totals because g. over flowed. New g. from 1-1-30

Original 10-yr sheet missing. Values copied from
seeking P. forms 1090 - from Archiv
10/62 (420) Wt. 24625/B.J.449. 3 m. J.A.J.Ltd./895.

13-5-69

RAINFALL at Plymerton

County of Cadizigan

Observer British Rainfall organization

River Basin 5

Air Ministry

9.25 Bradford Rain Gauge, by
MS 31 correct & sound
measure 3.75. holds 2 inches

An. Av. 93.01
observer has no rod. 1916-52

Diameter ...	5										
Height	1.0		6								
Altitude	5440		1630								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MILLIONS.
January	13.10	12.10	6.50	13.04							
				7.50	8.00	7.30	9.10	12.50	15.40	3.60	11.60
February	10.00	1.00	13.00	12.69							
				(4.50)	2.78	13.20	9.00	7.40	14.00	2.60	1.00
March	12.00	11.00	7.50	4.00							
				2.50	3.74	3.31	7.60	8.70	4.140	2.30	5.20
April	4.60	3.00	5.50	3.65	5.92	6.44	4.10	7.40	14.00	1.50	5.00
				4.60							
May	11.90	5.00	2.10	9.04							
				5.20	8.87	8.35	5.30	2.90	1.90	5.40	5.50
June	6.50	1.50	2.70	4.70	3.31						
				1.90	4.35	3.55	5.80	10.70	14.20	9.10	4.50
July	15.80	7.00	4.00	8.35	8.52						
				(6.90)	8.44	8.35	11.50	6.20	8.20	9.00	11.50
August	4.70	11.00	5.50	6.61	10.61						
				6.10	14.42	9.04	10.90	14.20	10.60	10.20	9.50
September	10.70	5.00	9.04	10.44							
				5.20	(8.00)	11.48	10.40	8.60	13.40	3.00	4.00
October	5.60	5.00	1.70	2.07	13.91						
				12.00	12.35	13.20	9.00	8.80	13.20	(15.50)	19.00
November	6.90	7.00	2.50	4.00	8.87						
				(7.10)	6.26	4.30	11.80	11.20	13.80	(22.50)	10.00
December	9.30	13.50	5.10	8.87	14.00						
				5.50	10.95	9.50	4.80	3.00	4.00	(21.50)	12.50
TOTALS.	1205082.10		79.81	11643							
			(6.70)	(0.40)	97.57	93.74	97.50	106.40	111.70	(107.20)	106.30

newb. 1-20. 1929. Oct - Dec. set^d from Mah. New b. Jan. 1930.

1921. *Plynlimon* 2469 high 669 m.
1922. Blkd. moved Jan 1st 1923, 4 miles toward Plynlimon
1923. Corrected by map as indicated.

Specimen of *Myrsinaceae* collected at 26.9.25. L. on rough moist to wet ground to *Polygonum* current above form. This is in a wide gully running N.E. with *Polygonum* grass to west & left and to E. the exposure is excellent although the ground round is wet.

It was found that the observer had taken 2.0 times as many observations as he had taken 1.0 times. The original values have been converted in this ratio presented in one table from May 1932 to Dec 1934.

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
			Dials Bridge	8 mi	S	Holy Cross	6 mi	S

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

31-40

4140

Station Plynlimon No.
 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	2.0	11.00	(4.50)	14.10	6.00	16.00	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

Actual

Estimated from data for:-

1881-1915	in.
1916-1950	93.01	in.	1916-50
	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:-

1936 Monthly totals allocated from surv. stns.

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

10/62 (420) Wt. 24625/B.J.449. 3 m. J.A.J.Ltd./895.

Form 1090 - from Archives

13.5.69

Original 10-year sheet missing. Values copied from section "B".

RAINFALL at

Plynlimon

County of Cardigan

Observer Meteorological Office Mr J. Thomas

River Basin S-Wye

Type of Gauge

Annual Average (Q.S. Qn. based on 5 years obs. un-weighted. Period of average 1931-1935 Ref. 93-01 1916-50 970198/29)

Diameter	5.										
Height	10.										
Altitude	1680										
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	7.00	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	15.0	6.00	7.50	(5.50)	10.00	1.60	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	0.00	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	5.30	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	106.20	113.50?	91.00	61.60	90.70	90.40	108.50	81.00	95.00	91.25	103.00
											92685 M

1936 * Monthly stations allocated by surrounding stations.

792841
N.C.R. S.N.(22) 741837Position 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
1937			Llanidloes	13 miles	E	Talyllyn Cymffwr	6 miles	S.W.

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

RAINFALL at Plynlimon

County of Cardigan

Observer D.J. Thomas, Esq. for Mo

River Basin 5-Wye

Type of Gauge

Annual Average 12.8 mm. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. 5

93.03 - 1916-50.

File No. 970198/29

Diameter	5			464	068					
Height	1 0					1				
Altitude	630						41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	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	14.00	6.00	6.50	3.00	18.00
October	11.00	13.00	8.00	12.00	5.50	5.50	3.00	2.20	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	82.20	89.00
				M	M	M	M	M	M	M

1941 Jan + Feb adj. for max.

1943 Dec. cond. by ref. to nearby stns. & maps.

June + July adj for max.

1944 June, July, November & December adj. by ref. to Aug 1945. There was little change. It has since been opened. (Aug 45) nearby stns.

1945 Feb + March amended.

1947 n.p. max adj. 1948 n.p. low.

20434 00404

R49 New index. Sept adj. low

1950 n.p. for low.

N.G.R. SN 702841
741837Position 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.
	01004		00014 01434 30004				

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 - Llys

Type of Gauge Bradford

Annual Average 108.0 in. based on 5 years obs. un-weighted. Period of average 1881 - 1915 Ref. S
 62.87 1916-50. File No. 970/98/29

93.01 1916-50.

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	12.50	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	6.60		
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	2.50	12.30	4.70	5.50	11.80	8.50	9.40	8.70		
August	2.80	6.80	7.50	9.50	3.60	13.0	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	1.50	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	4.60	6.60	9.40	15.60		
December	9.50	3.00	3.70	11.00	8.20	7.50	9.10	5.50	14.70	15.30		
TOTALS	83.70	70.70	72.70	105.80	68.180	69.50	95.40	85.20	84.30	97.05		
	M.M.D.	M	M									

1951 n.p. low
 1952 n.p. low
 1953 n.p. low
 1954 n.p. low
 1955 n.p. low
 1956 n.p. low
 1957 n.p. low
 1958 n.p. low

1960 Snow. (2/60) Collecting can take off SE-SW Alt site 250' SSW. Still off NNE-E but better in other directions. New gauge to be
 1959 PRINT. 1. m.s. - Nov. part est. M. 036, issued.
 SEPT 1960 New octagonal metalled abn new site

00044

00044

No change in hydro. No. New adopted.
 Printed Nov. 1960 SN(2) 191839

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference SN(2) 72284

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	
	All blank	All blank	All blank	All blank	only 1930 on R. blank	1944-71	1944-50 n.p.	1944-71	1944-3 blank	PRB/M.036