

Rainfall at *Port Madoc.*

No. 1

60

Cameron.

Mr. G. H. Shouger.

Diameter of Gauge, ... 5 ... in.

Height above Ground, 15.5 ft. in.

Above Mean Sea Level, ... 30 ... ft.

Gauged - 5.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						4.00	9.10	7.53	6.04	0.14	
February - -						3.10	4.75	3.07	3.65	5.48	
March - - -						3.80	2.80	2.50	4.77	2.64	
April - - - -						2.10	1.12	4.86	2.71	4.92	
May - - - - -					2.51	4.49	1.33	2.05	1.97	3.52	
June - - - - -					2.54	1.93	5.17	.93	.49	1.21	
July - - - - -					2.44	1.80	1.15	5.34	.78	1.41	
August - - -					3.57	5.12	4.19	2.50	4.09	3.51	
September -					4.78	1.27	8.77	5.51	2.60	11.54	
October - - -					2.09	3.65	2.49	0.91	5.42	4.70	
November - -					3.29	4.69	5.33	1.82	3.95	5.28	
December - -					4.70	2.43	4.63	5.18	11.42	5.04	
TOTALS -					38.38	57.09	50.20	47.89	57.47		

✓ 0 5 0 0 0 0 0

RAINFALL AT *Port Madoc*

Lat.

Lon. County of *Carmarthen*Rain Gauge, by Observer *G. H. Stanger**Station - 5.**Major Mathew*

Diameter	5											
Height	3	0			2				3			
Altitude	10	0										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January	3.62	4.02	8.65	6.46	4.39	5.42	2.47	7.94	4.10	1.91	4.898	
February	2.61	3.44	4.63	1.39	3.33	2.79	5.57	6.32	1.85	5.68	3.461	
March	3.17	2.58	4.39	3.80	3.81	1.36	3.52	4.58	3.19	2.50	3.290	
April	3.30	3.29	2.51	1.33	2.03	2.15	4.40	3.64	1.84	1.55	2.604	
May	2.08	.88	2.41	3.19	1.79	2.07	.68	3.45	3.72	3.54	2.381	
June	7.61	1.42	6.13	1.44	1.62	3.71	2.54	3.11	3.38	4.87	2.983	
July	1.91	6.93	3.76	4.95	3.76	2.84	4.24	6.82	.62	6.00	4.188	
August	2.22	2.33	3.77	4.82	7.81	2.56	3.92	4.96	5.10	6.81	4.430	
September	3.69	2.82	7.90	3.16	5.17	6.57	4.23	4.28	4.05	3.47	4.534	
October	11.46	5.94	9.08	5.50	7.07	6.01	6.05	6.68	5.56	3.00	6.535	
November	5.50	2.25	6.68	3.35	6.46	4.93	5.32	9.83	5.19	1.24	5.075	
December	2.99	4.50	7.06	1.81	4.99	2.70	5.71	5.55	3.44	2.43	4.118	
TOTALS	43.16	40.45	66.97	41.20	52.25	43.11	48.65	67.16	42.04	43.00	48.797	

RAINFALL AT Port Madoc

Lat. _____

Lon. _____

County of Carnarvon

Rain Gauge, by _____

Observer Major Mathew

Glaslyn - 5.

Diameter	5										
Height	3.0										
Altitude	10										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.55	1.40	4.70	5.28	6.66	4.15	6.35	4.62	3.26	2.64	4.061
February	2.90	4.41	4.18	4.53	5.58	7.52	3.44	2.38	2.57	4.44	4.195
March	2.63	3.28	3.86	2.92	3.64	4.44	6.10	2.88	2.67	4.04	3.646
April	2.82	2.47	4.34	1.29	1.32	2.20	2.61	1.96	3.57	4.35	2.643
May	2.21	4.68	2.18	2.16	3.62	2.09	4.26	2.91	1.90	2.27	2.828
June	4.04	4.62	7.04	3.43	1.43	2.98	2.32	1.27	3.82	.57	3.152
July	8.40	5.89	7.24	3.16	5.22	3.52	6.33	4.21	7.21	3.27	5.445
August	2.64	5.90	5.75	4.28	1.75	2.64	3.17	2.38	6.21	6.72	4.144
September....	5.30	2.20	3.62	6.03	6.87	7.01	7.83	5.14	3.00	2.97	4.997
October.....	5.18	2.88	6.63	6.06	3.91	6.27	6.62	4.80	4.30	4.93	5.158
November....	7.58	6.29	7.92	6.19	4.26	7.71	7.41	4.07	5.10	3.67	6.020
December	9.02	5.22	8.17	4.44	6.06	2.55	7.65	4.85	4.51	7.20	5.987
TOTALS	53.77	49.24	65.63	49.97	50.32	53.08	64.09	41.47	48.12	47.07	52.276

1890 Jan 6.71 T

RAINFALL AT *Portmadoc, West Gwynedd*

Lat. _____

Lon. _____

County of _____

Gwynedd

Rain Gauge, by _____

Observer _____

M. H. Worth

Gwynedd - 5.

Diameter						5						
Height						10						
Altitude						90?						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January						3.58	3.58	2.12	7.16	8.02		
February						1.00	1.40	5.29	4.01	3.08		
March						10.46	7.45	5.88	2.11	1.40		
April						2.73	1.39	5.10	2.30	5.64		
May07	.57	1.15	4.71	3.71		
June						1.01	2.76	4.38	4.18	2.04		
July						6.01	4.72	1.78	.70	3.91		
August						4.02	3.32	5.46	7.46	1.50		
September						1.80	9.02	6.31	2.95	3.40		
October					#	4.36	6.59	5.95	2.40	5.17	2.84	
November						7.63	4.32	1.99	7.23	3.88	3.52	
December						5.20	4.54	7.94	5.98	6.15	3.21	
TOTALS						46.13	50.09	53.08	50.78	42.27		

Back years 1894 to 1904 received 1906

RAINFALL AT *Portmadoc, Wern Gardens*

Lat.

Lon.

County of *Barnarvon*

Rain Gauge, by

Observer

M^r H. North

R. M. Greaves Esq

Healy - 5.

Diameter ..	5										
Height	1 0										
Altitude ..	90?										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.06	3.34	4.10	7.72	5.49	5.46	9.81	3.82			
February ..	3.54	1.90	.80	5.00	5.18	2.46	6.87	3.22			
March	1.24	3.50	3.54	7.79	3.99	7.80	6.29	4.31			
April	2.55	3.94	2.40	2.70	4.37	4.43	2.64	3.66			
May	1.94	.98	5.31	2.99	3.64	2.46	8.24	5.39			
June	3.39	3.21	5.52	1.46	2.20	2.85	3.46	8.24			
July	2.80	2.70	2.47	6.91	2.80	3.82	2.40	3.74			
August	7.95	7.22	3.91	8.18	5.45	8.10	9.65	5.67			
September ..	3.23	3.40	1.86	7.01	3.49	2.65	2.68	1.42			
October	5.81	6.50	8.05	13.57	4.20	6.08	9.98	8.02			
November ..	6.12	7.20	4.60	7.69	3.82	7.45	3.56	4.45			
December ..	6.83	6.23	5.44	5.65	8.95	2.56	9.01	6.72			
TOTALS ..	51.46	50.12	48.00	76.67	53.58	56.12	74.59	58.66	see new gauge		

1900 to 1904 Received late - not printed in "B.R."

1906 Portmadoc

+ Inspected ^{15.11.0} ~~6.05.11~~ H.M. On bank well exposed.

New g. to be in garden.



RAINFALL AT

Wern Potmadre

Lat.

Lon.

County of

Carmarthenshire

Smethon Rain Gauge, by

Observer

R. M. Peaves

#1016 J. Jones

Glaslyn - 5.

New Gauge

Diameter ..							5				
Height							10				
Altitude ..							50			90?	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..								3.82	6.54	3.13	
February ..								3.22	4.97	1.19	
March							# 4.92	4.31	4.04	4.28	
April							2.23	3.66	2.88	4.02	
May							7.42	5.39	4.65	2.23	
June							2.73	8.24	2.38	2.61	
July							1.90	3.74	5.46	6.13	
August							9.06	5.67	5.17	2.25	
September ..							2.00	1.42	4.04	6.11	
October							8.58	8.02	2.78	9.48	
November ..							2.91	4.45	4.84	2.70	
December ..							7.73	6.72	5.48	7.51	
TOTALS ..								58.66	53.23	51.64	

see inspection note old gauge.

RAINFALL at Portmadoc WenfordCounty of CarmarthenObserver R M Grewarke ObanfordRiver Basin Glaclyn 5Snowdon Rain Gauge, by _____

Diameter ...	5										
Height	1.0										
Altitude ...	90°										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.28	2.95	3.72	4.63	4.87	6.69					
February ...	6.52	4.25	2.99	2.07	4.25	6.36					
March	2.40	3.40	7.89	4.22	6.34	3.82					
April	3.87	3.64	.75	5.04	.68	3.21					
May	2.67	1.98	1.74	3.33	3.52	3.18					
June	3.54	3.51	6.60	4.62	1.75	1.06					
July	5.53	1.30	5.22	2.55	5.52	3.65					
August	6.48	5.13	8.42	1.51	4.97	2.42					
September ..	.59	4.85	1.12	5.88	3.34	2.32					
October ...	5.03	4.29	6.94	5.95	1.82	2.48					
November ..	7.45	6.36	7.10	6.84	4.64	4.58					
December ...	7.42	8.71	5.39	3.61	8.30	10.37					
TOTALS ...	54.78	50.37	57.88	50.25	50.00	50.14	NR.				

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Portmadoc	2 mi	S			

RAINFALL at Portmadoc WernCounty of CarmarthenObserver R. M. Greaves EsqRiver Basin Glaslyn 5-Rain Gauge, by W. Woodson
Tafelw. Gauge.

Diameter ...		5"										
Height		10										
Altitude ...		90										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1930
January ...		7.58	5.24	5.67	5.27	3.53	5.31	7.15	9.36	3.16		7.06
February ...		90	7.20	7.14	1.47	7.00	5.74	4.19	5.44	2.62		.61
March		6.95	3.86	1.79	2.01	1.97	1.48	4.48	3.31	1.99		3.444
April		1.98	2.92	3.27	3.90	2.92	2.60	1.83	2.23	1.63		3.44
May		2.68	2.54	3.76	6.35	4.79	4.13	2.13	1.82	3.29		3.10
June		80	2.52	2.53	4.18	.11	3.20	8.22	8.35	3.15		2.72
July		3.34	5.53	6.19	5.58	2.64	5.37	3.11	4.40	3.68		3.94
August		9.20	4.93	7.23	8.44	6.68	5.35	9.19	7.26	6.71		6.01
September...		1.68	6.71	8.12	7.00	5.27	2.76	6.43	1.97	2.87		4.19
October		6.13	1.07	9.46	5.20	6.27	4.60	5.46	7.59	9.35		9.38
November...		3.34	4.10	8.32	3.58	3.13	8.51	7.96	9.48	12.00		9.06
December...		6.48	7.44	6.90	9.42	4.13	1.47	1.77	4.76	8.02		8.72
TOTALS...	NR	51.06	54.06	70.38	62.40	48.44	50.52	61.92	65.77	58.47		61.67
		D	D	D	D	D	D	D	D	D		D

1930. G read 9 a.m.

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
1921	53° 54'	4° 10' W	Portmadoc	2 mi	ESE	St. Brannos TEN MORF	300 yds	N

RAINFALL at Portmadoc (Wern)County of Glamorgan Observer A.M. GreavesRiver Basin 5 - Gleadolfe

Type of Gauge

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

Diameter	5.											
Height	1. 0.											
Altitude	90			20	20'							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.06	7.16	5.00	4.19	2.62	5.15	4.13	5.80	6.46	3.81	5138	
February	6.15	.11	4.47	.61	5.33	2.91	7.63	1.99	4.33	4.59	3812	
March	1.25	2.80	2.90	3.34	1.36	3.06	1.71	2.35	3.41	3.86	2604	
April	4.87	3.83	1.92	2.61	4.17	1.16	4.28	.43	2.49	3.81	2957	
May	4.03	5.60	1.95	4.45	2.22	1.77	1.42	2.09	0.37	1.52	2542	
June	6.61	1.62	3.41	2.52	8.39	5.13	3.16	5.98	3.30	1.10	4122	
July	3.77	6.11	3.14	.97	1.26	6.36	2.89	6.02	9.37	2.67	4256	
August	5.30	1.52	2.99	6.47	3.04	3.91	2.73	2.73	3.42	.93	3304	
September	3.28	4.44	1.69	5.17	8.43	5.06	5.19	2.50	1.12	3.74	4062	
October	3.99	8.55	6.88	7.79	6.95	3.14	4.27	7.25	2.99	6.07	5788	
November	10.162	4.32	2.63	1.94	6.62	6.00	2.56	5.98	7.32	7.28	5517	
December	4.69	4.82	2.43	8.08	3.17	6.20	4.07	4.98	4.62	5.53	4859	
TOTALS	61.62	50.88	39.31	48.14	53.56	49.85	44.04	48.10	49.20	44.91	48961	Ky.
	D	D	D	D	D	D	D	D	D	D	D	

1940 Jan part estd.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.	50° 54'	4° 10'	Portmadoc.	2 m.	E.S.E.	Pennorfa.	300 yds.	W.

Station No. 4385

RAINFALL at Portmadoc (Wern)

41

County of Carnarvon

Observer R. A. Jones Esq. died 1942

River Basin S. Glyn

LT. Col. M. J. Williams- Ellis.

Type of Gauge

1950

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 600220/27

Diameter	5				527	791						
Height	10					1						
Altitude	20					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.91	6.19	6.56	6.46	4.62	7.52	4.26	12.12	4.57	1.68	55.89	✓
February	3.90	2.65	4.43	2.53	6.56	6.00	.64	2.70	2.56	6.47	38.48	✓
March	3.56	3.61	1.62	1.22	2.84	1.86	6.95	(2.06)	3.69	4.02	31.43	✓
April	2.04	2.11	2.61	2.60	2.75	1.20	4.68	2.19	5.23	4.90	50.31	✓
May	3.20	4.11	5.48	2.48	3.22	1.91	2.54	1.38	2.67	1.01		
June	1.23	0.37	4.63	2.68	3.81	4.93	2.97	7.61	0.84	3.08		
July	3.37	6.02	2.83	4.74	3.88	3.47	3.95	4.04	2.07	2.98		
August	5.42	7.29	3.94	3.35	1.59	6.29	0.60	7.81	3.15	7.95		
September	1.88	5.04	5.34	5.16	4.14	6.81	4.21	5.51	3.88	10.51		
October	6.47	6.23	5.94	6.86	4.49	1.50	0.61	5.07	7.33	5.47		
November	2.51	1.52	5.16	8.20	0.71	8.25	5.53	4.63	7.28	5.18		
December	2.92	6.97	2.16	6.15	5.88	8.01	4.85	7.73	7.41	5.00		
TOTALS	38.41	52.11	50.70	52.43	44.49	57.75	41.79	62.85	50.88	58.25		
	D	D	D	2	D	D	D	D	D	D		

10004

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.
1941	50° 54'	4° 10' W	Portmadoc	2 ml	ESE.	Penmorfa	300 yds	W.

Air Ministry, Meteorological Office

Station No. M 4384/9RAINFALL at Pontmadoc (Wear No. 2)County of GwyneddObserver Col. M. J. Williams-EllisRiver Basin Glaslyn / 5Type of Gauge BA

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 600236/37

Diameter ...											5"	
Height ...											about 3ft	
Altitude ...											180	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...												
February ...												
March ...										1.73		
April ...										2.74		
May ...										1.56		
June ...										1.56		
July ...										5.00		
August ...										4.75		
September ...										6.99		
October ...										5.06		
November ...										10.41		
December ...										6.35		
TOTALS ...											inc. np	

Inspected 9.8.60 by B.H.H. G. looking at base of rain. Mounted on wall. Like o/s. Yew 40'-80' NNE, tree 70'-140' SE → 70'-110' S. House gable 30'-50' NW. Rec. moving 2' down on to lawn - only alternative available.

1960 np inc.

Position of Station on Ordnance One-Inch map: No. of Map 116 National Grid Reference SH(23)53499

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
C1960.					

Station No. 4385

RAINFALL at Portmadoc (Wern)

51

County of Caernarvonshire Observer Lt-Col M. I. Williams F.R.S.

River Basin S. - Glaslyn

Type of Gauge Anemometer (No. 2)

Annual Average in based on years obs. un-weighted. Period of average Ref.

File No. 600236/37

Diameter ...	5"				527	791				5"	
Height ...	1' 0"					1				1' 2"	
Altitude ...	20'					51				20'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.71		2.46		2.20	4.42		4.52	5.60	6.44	
February ...	3.74		3.67		1.90	1.16		8.42	1.27	3.79	
March ...	7.53		1.62		1.76	1.89		2.19	2.91	1.59	
April ...	2.64		4.16		4.31	1.71		1.64	4.19	2.67	
May ...	1.74		3.23		4.12	2.53		3.82	1.19	1.56	
June ...	0.88		2.29		5.61	3.11		5.14	2.39	2.78	
July ...	1.14		3.68		1.09	7.12		4.45	3.44	4.95	
August ...	7.63		3.62		1.86	11.35		3.73	0.32	4.64	
September ...	7.75		4.56		2.86	5.14		11.18	0.60	7.39	
October ...	0.99		2.78		3.60	4.08		4.61	7.17	4.85	
November ...	6.44		6.60		1.95	2.60		4.55	7.70	10.75	
December ...	7.89		1.01		5.26	5.09		4.66	9.16	6.74	
TOTALS ...	51.08 D	N.R. D	39.18 D	N.R.	36.42 D	50.20 D	N.R.	58.91 D	48.14 D	58.15 D	7

Inspected 9-8-60 by affliator. of S N → NE → SSE of 2 SSW → W. from 60°-100°N → 50°-25°NNE (212) → 260°-80°NW
 → 260°-100°SSE. Rec. all. site in garden SH(23) 542399 satisfactory - narrow track 35°-60°NW,
 minimum rejected.
 1959 corrected for part W. D. by 4036.

543399

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference SH(23) 542399

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1941	50°54'	4°10'W	Portmadoc	2nd E.S.E	Pennarfen	300 yds W

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19 1910-13 D 1914-15 1916-19 N.R.	1920-30 1920 N.R. 1921-30 D	1931-40 D	1941-50 D	1951-60