

Rainfall at *Port Madoc.*

No. *1*

60

*Cameron.*
*Mr. G. H. Shouger.*

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

Height above Ground, *15* ft. .... in.

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

*July - 5.*

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

*✓ 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 .....	10.46	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

Glewyn - 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 *Mr 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	
May .....						.07	.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 *Barnarson*

Rain Gauge, by .....

 Observer *M<sup>r</sup> 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 <sup>15.11.0</sup> 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 CarnarvonObserver R M Gwynne ObanparkRiver 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	<del>1930</del>	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 Llanrwst Observer A.M. GreavesRiver Basin 5 - Gledlyn

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
	D	D	D	D	D	D	D	D	D	D	Ky.

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. 600220/37

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.

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"				5.27	7.91				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°NE  
 → 260°-100°SSE. Rec. all. 212 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