

RAINFALL at LLWYN-CELYN.County of MerionethObserver Lieut. Col. M. V. G. TRENCH.River Basin DOVEY

5" Rain Gauge, by

Diameter					5"						
Height					7' 3"						
Altitude					30'						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January					5.54	3.68	5.25	7.08	10.32	2.61	6.97
February					1.45	7.81	5.50	4.03	5.51	1.84	5.56
March					2.74	2.36	2.23	5.07	2.06	1.29	2.70
April					3.82	3.69	2.18	3.27	1.91	1.34	3.10
May					7.56	5.31	3.44	2.66	1.61	3.51	3.00
June					3.85	1.13	3.13	7.95	7.58	5.00	3.53
July					6.92	4.35	7.12	5.07	5.57	4.83	5.69
August					8.94	8.15	6.10	8.59	7.63	5.82	7.65
September					7.00	6.93	3.89	6.23	1.99	3.42	5.87
October					6.61	7.64	4.68	4.87	8.10	10.83	8.91
November					2.82	3.66	7.41	6.35	9.82	12.71	7.12
December					6.97	4.60	2.48	1.96	5.32	8.50	8.77
TOTALS					64.22	58.31	53.41	63.13	67.42	61.20	63.87

1924-30 data up received 2/32

1925-30
367.34Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch SeriesNo. of Map 15Reference No. 7

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
February 1932	52° 34'	3° 57' 1/2	Aberdovey Machynlleth	4 1/2 m	WSW	PENNAL	2 miles	N.E
				4 1/2 m	ENE.			

RAINFALL at Pennal (Swyn Glyn) old g.County of Merioneth Observer L. G. M. V. G. P. TrenchRiver Basin 5- DoneyType of Gauge Glaisher

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

16707/52

Diameter	5"										
Height	7' 3"										
Altitude	30'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.32	6.01									
February	7.31	.07									
March	1.50	3.48									
April	5.79	3.02									
May	3.65	5.54									
June	6.44	1.25									
July	5.71	6.59									
August	5.41	2.31									
September	3.86	4.58									
October	3.82	8.86									
November	8.99	4.37									
December	4.43	2.85									
TOTALS	63.23	48.93	#	see new gauge	4345/6						

1931. House 20' high, 30' Sw.
 Trees 20' " , 20' N.W.
 1932 - no check.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series } No. of Map.....68..... Reference No.....9.6.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
						Pennal	2m.	N.E.

RAINFALL at Pennal (Slwyn. Celyn) nuff.County of Merioneth Observer Lt. Col. M.V. de P. FrenchRiver Basin S. - DwyfType of Gauge M.O.

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

C1932.

167071/32

Diameter	5										
Height	1' 0"										
Altitude	30										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.32	(6.22)	5.93	5.16	3.23	5.92	5.51	7.28	8.21	4.83	58.61
February	7.31	(1.07)	6.37	8.1	6.23	2.26	10.61	2.77	6.01	5.26	57.80
March	1.50	3.65	3.69	3.87	1.92	2.38	2.66	3.47	2.95	4.20	20.29
April	5.79	3.10	1.50	3.36	5.10	2.62	5.68	6.9	2.94	3.23	34.01
May	3.65	5.71	2.51	4.39	2.23	1.87	2.40	2.22	0.63	1.96	27.57
June	6.44	1.24	4.37	3.50	7.53	5.93	3.53	5.70	2.94	9.9	42.17
July	5.71	6.63	2.70	1.74	1.85	8.09	4.02	7.52	9.54	9.50	57.30
August	5.41	2.34	1.72	7.96	4.10	2.97	1.83	4.92	4.51	1.86	37.52
September	3.86	4.71	1.22	4.52	8.49	6.47	4.42	3.69	1.82	5.60	44.90
October	3.82	9.30	7.26	8.52	8.80	4.69	3.78	8.86	3.64	6.76	65.43
November	8.99	4.69	1.70	2.50	6.81	8.00	2.92	7.67	10.96	9.52	83.76
December	4.43	2.93	2.27	9.37	3.11	6.88	4.18	4.77	5.08	7.10	50.8
TOTALS	(63.23)	(50.59)	41.24	55.70	59.40	58.18	51.54	59.46	59.23	60.81	559.38

Installed 5/9/32. 264 mm. 30" N. 14" H. 13' 55". 7" Radius Arch 22' 5". Horizontal border 5' in summer, 16' 55" in winter.

1940 Jan. corr'd. for snow.

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
1932.			Merioneth	4 1/2 m	ENE	Pennal	2 m	NE.

Station No. 4345/6RAINFALL at Pennal (Hwy. - Glyn)

41

County of Merioneth Observer H. C. M. V. & P. TrenchRiver Basin S-DowryType of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

C1932

File No. 167071/32

Diameter	5				523	600						
Height	10					1						
Altitude	30					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.12	7.82	7.34	6.24	4.67	6.13	4.10	11.40	4.82	2.66	58.30	
February	4.50	2.80	4.96	4.57	7.10	5.63	1.44	3.07	2.88	7.92	64.87	
March	4.19	3.71	1.46	1.31	2.98	1.43	8.45	3.00	4.26	2.76	33.55	
April	2.50	1.95	2.08	3.31	2.87	1.37	3.67	2.00	6.32	6.62	32.89	
May	4.05	4.51	5.48	3.07	4.50	1.66	3.91	3.06	5.19	1.09	36.58	
June	1.23	1.09	6.13	4.37	5.55	6.04	3.40	6.31	0.98	4.52	39.67	
July	4.88	7.55	4.85	4.25	2.87	6.08	4.86	4.43	3.05	4.27	47.09	
August	7.09	5.12	6.51	3.06	5.74	7.42	1.22	6.59	3.59	9.70	56.04	
September	1.86	6.61	7.45	5.09	4.23	8.17	3.68	6.22	2.37	14.21	60.95	
October	7.64	7.77	5.02	7.51	3.91	2.00	0.60	6.81	8.76	5.12	55.14	
November	3.54	1.00	7.29	8.75	1.10	7.25	6.62	5.41	7.62	6.66	55.24	
December	4.74	8.27	2.92	4.65	5.88	6.05	5.96	6.87	7.37	4.94	57.85	
TOTALS	49.39	58.32	67.49	56.18	51.40	59.23	47.91	65.17	58.61	70.47	576.17	10
	D	D	D	D	D	D	D	D	D	D		

'94' House 20' high 30' N
Hedge 4' high 13' S.E.
Rustic arch 7' high 22' S
Herbaceous border 5' (in summer) high. 16' S.S.W.

467.09

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			Hachynlleth	4 1/2 ml	ENE.	Pennal	2 ml	NE.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Pennal (Llwyn-celyn ¹⁹⁵⁷ Station No. 4345/16) 51
 County of Merionethshire Observer H. Col. M.V. & P. Trench
 River Basin 5 - Doney
 Type of Gauge London H.D. (bottle)

Annual Average in. based on years obs. un-weighted. Period of average Ref.
59.44 - 25 - 1916-50 16.7071/32
 File No. 16.7071/32

Diameter ...	5"				503	600				5"	
Height ...	1' 0"					1				1' 0"	
Altitude ...	30'					51				30'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.63	5.65	2.96	6.00	3.42	6.91	6.17	4.47	5.36	7.41	53.98
February ...	4.74	2.87	2.98	4.46	2.66	0.89	3.87	10.23	2.39	4.39	39.48
March ...	8.51	4.36	2.89	4.43	3.26	2.69	6.44	1.75	3.33	1.92	39.88
April ...	4.94	2.96	4.79	1.86	6.11	2.21	0.87	1.81	4.66	3.29	23.50
May ...	1.67	3.15	2.66	2.96	5.37	2.23	2.22	4.60	1.35	1.64	21.85
June ...	1.81	4.67	2.35	6.75	6.82	3.33	3.49	4.77	3.93	4.10	42.02
July ...	4.07	2.20	6.51	9.68	1.17	6.41	9.17	7.51	4.24	7.93	58.89
August ...	8.11	4.12	5.87	9.09	1.98	9.61	7.52	5.32	1.19	8.11	59.92
September ...	6.15	4.06	6.11	6.22	5.45	6.03	11.23	4.57	0.52	8.94	64.28
October ...	2.06	6.62	3.06	13.60	3.34	3.81	9.85	5.52	8.36	3.69	59.91
November ...	8.34	5.48	7.20	9.81	2.29	4.35	2.95	5.67	6.61	11.36	64.06
December ...	9.67	6.99	2.38	9.51	6.36	5.44	3.40	4.27	8.00	8.25	64.27
TOTALS ...	66.00	53.13	49.76	82.37	48.23	53.91	67.18	65.49	49.94	71.03	608.04

1951 House 20' high 30' N; Hedge 4' high 13' SE; Rustic arch 7' high 22' S
 Herbaceous border 5" (in summer) high 16' SSW.

1951 Ditto

1957 Ditto, but border given as 5'.

Inspected 4-8-60 by G.H. later. Would be NW nearest 50'-60' NW. Illuminous reasonable. 6' drop G road 15' SE
 but sheltered beyond

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SN (22) 6716180

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1941			Maechyllath	4 1/2 mi E-NE	Pennal	2nd NE

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1924 1924-30 -	1931-40 1932 d 1933-40 D	D	