

# RAINFALL AT Llanelli Water Works

70

Lat.

Lon.

County of Carmarthen

Rain Gauge, by

Observer E. H. Douglas Esq.

Lanelli - 3.

Diameter....							13					
Height ....							5					
Altitude ....							265			425		
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January ....							2.78	7.70	3.42	1.76	4	
February. ..							5.01	4.88	1.78			
March.....							3.11	3.39	1.88			
April .....							3.27	3.31	2.83	2.00		
May .....							.30	2.81	3.95	2.59		
June .....							2.56	2.89	1.88	6.37		
July.....							2.67	4.61	1.81	5.73		
August ....							4.08	6.93	5.69	8.73		
September ..							7.21	5.52	3.82	4.48		
October ....							6.11	5.81	6.52	1.72		
November ..							<del>6.00</del>	8.96	3.76	.37		
December ..							6.34	4.01	3.60	1.42		
TOTALS ..							(58.00)	(9.39)	60.82	40.94	(41.17)	

not at all good

1876 Nov. gauge under repair

1877 Small Office 10.6 in high & 13 ft distant from gauge

1879 Gauge broken in Feb'y & placed in a different position when repaired in April

# RAINFALL AT *Glanell Water Works*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Barro*

Rain Gauge, by \_\_\_\_\_

Observer *L. Mackay, Esq.**Loughor - 3.*

Diameter ....	4			13			5				
Height .....	4.6					5.0	4.0	3.0			
Altitude ....	216					255	216	240			
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.94	1.03	3.58	4.43	5.08	2.70	5.09	4.70	2.89	1.75	
February ....	3.65	2.96	3.00	4.70	4.04	3.96	.99	1.35	1.73	3.66	
March .....	.77	3.18	2.91	.82	3.17	1.46	4.78	3.43	4.04	4.18	
April .....	2.00	1.81	4.06	1.63	2.88	3.15	2.26	1.24	1.26	2.48	
May .....	1.86	2.70	1.64	1.67	2.70	3.32	3.39	1.63	2.39	2.67	
June .....	1.82	1.82	3.08	4.57	1.96	4.01	1.01	.86	4.94	.59	
July .....	6.06	6.06	5.61	4.02	4.05	1.78	6.36	2.79	7.96	3.67	
August .....	1.07	1.07	3.64	1.70	2.04	1.53	1.73	2.02	4.58	4.11	
September ....	3.04	3.04	3.60	7.32	4.64	5.33	4.01	4.85	2.14	3.85	
October .....	3.80	3.86	7.95	4.52	3.16	4.85	6.57	3.55	2.72	4.44	
November ....	3.79	3.79	7.09	6.26	2.14	5.54	5.52	5.10	8.50	4.12	
December ....	6.71	6.71	4.55	2.66	6.60	1.90	6.57	3.45	6.24	5.24	
TOTALS ....	35.51	38.03	52.91	44.30	42.46	39.53	48.28	34.97	49.39	40.76	(42.616)

*boundary line (Glanell Water 1907)*1880. *St. Mary's Church* 2 miles S.1885 *Holy Trinity Church* 3/4 mile S.1886 Dec. gauge out of order. amount taken from  
old market place.

RAINFALL AT Llanelli Cwmllieodi W.W.

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Carmarthen

Rain Gauge, by \_\_\_\_\_

Observer G. Watkins Esq C.E.Loughor - 3.

Diameter ....	5										
Height .....	3 0										
Altitude ....	240 $\pi$										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	5.73	4.17	3.24	2.45	5.31	5.97	1.93	1.86	3.55	7.52	4.173
February ....	1.83	.66	2.83	5.72	4.70	.15	.87	6.88	2.70	4.22	3.056
March .....	2.70	1.57	1.23	1.32	3.75	5.10	5.09	6.38	1.60	1.81	3.055
April .....	2.23	2.99	2.24	.39	2.53	2.79	1.39	4.74	3.37	5.47	2.814
May .....	2.33	4.09	1.97	2.21	4.28	.41	.06	1.86	4.14	3.37	2.472
June .....	3.98	3.95	2.29	2.02	4.02	1.12	1.77	4.94	3.19	.89	2.817
July .....	4.60	3.34	2.70	4.14	5.47	4.92	3.80	2.50	1.71	3.29	2.647
August .....	5.51	8.08	4.58	4.48	7.54	6.38	3.56	5.59	4.27	1.55	5.154
September....	2.65	5.94	4.83	2.96	2.53	1.43	7.96	6.08	2.00	2.53	3.891
October .....	4.31	12.33	4.87	6.94	7.99	4.55	5.03	2.60	8.59	4.89	6.210
November....	7.44	4.99	5.17	3.07	8.24	6.29	1.81	3.51	4.52	3.23	4.827
December ....	2.25	7.86	4.18	5.90	5.01	4.30	8.18	6.56	6.19	4.04	5.447
TOTALS ....	45.56	59.77	40.13	41.60	61.37	43.41	41.45	53.50	45.83	42.81	47.563

1890 Holy Trinity Church  $\frac{1}{2}$  mile S



# RAINFALL AT *Llanelli Corallia W.S.*

Lat. .... Lon. .... County of *Carmarthens*  
 Rain Gauge, by ..... Observer *G. Watkeys Esq. CL*

*Loughor + c - 3*

Diameter ..	5											
Height ....	3.0											
Altitude ..	240 <i>K</i>											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ...	6.56	3.39	3.75	5.20	6.43	2.22	8.20	3.29	3.76	2.78	4.558	
February ...	6.86	1.62	1.83	3.47	5.27	1.76	4.13	3.01	3.31	.57	3.183	
March ....	1.89	3.40	3.34	6.61	2.06	6.42	4.07	2.23	5.53	5.26	4.081	
April .....	1.89	4.26	2.81	3.45	3.36	4.61	1.46	4.12	3.06	4.17	3.319	
May .....	2.62	1.36	2.56	3.42	3.37	1.17	8.89	3.35	3.62	1.68	3.154	
June .....	4.25	4.30	5.31	2.04	2.20	2.43	3.07	6.20	1.73	3.07	3.460	
July .....	2.65	2.08	2.91	3.42	4.18	4.16	2.90	4.05	6.50	4.47	3.732	
August ....	4.71	5.63	2.53	8.72	3.28	7.45	4.31	6.59	4.76	2.51	5.049	
September ..	2.72	5.18	2.81	4.72	3.38	2.37	2.03	1.50	5.59	4.41	3.471	
October ....	6.72	4.62	5.50	13.15	4.84	1.95	9.34	9.95	3.84	8.38	6.779	
November ..	5.50	1.62	6.08	4.26	3.96	4.52	5.22	4.21	3.41	2.15	4.093	
December ..	7.15	7.64	3.89	3.98	5.33	2.91	4.19	6.27	7.28	8.85	5.749	
TOTALS ..	53.52	45.10	43.32	62.44	47.66	41.97	57.31	54.77	51.89	48.30	50.628	452

1909 Corrected for wrong day  
 Felinford Church 1000 yards N  
 Llanelli Station 3 miles NE 2 SW

*HUG*

RAINFALL at Llanelli Carmarthenshire W.W.County of CarmarthenshireObserver G. Watkeys Esq. Ch.River Basin Loughor + C 3

Rain Gauge, by

Diameter ...	5											
Height .....	3.0											
Altitude ...	240 $\pi$											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means. 1915	
January ...	5.50	2.84	5.82	6.24	3.36	5.53	4.46	2.22	7.01	7.63	21.32	
February ...	5.65	4.57	3.83	2.18	5.58	7.63	5.64	2.99	4.05	4.24	16.92	
March .....	1.70	3.63	7.65	7.14	7.30	1.71	2.48	3.08	2.48	6.71	14.82	
April .....	3.40	3.13	.46	6.77	1.80	1.84	2.64	2.76	3.14	2.24	10.78	
May .....	3.12	1.83	2.25	4.79	3.51	2.61	4.23	3.58	2.23	1.65	11.69	
June .....	4.08	3.60	6.37	3.79	2.44	2.89	4.03	3.79	1.99	3.12	12.93	
July .....	5.50	.65	4.19	1.68	6.52	4.20	2.21	5.12	4.93	1.67	13.93	
August .....	7.97	4.43	9.67	1.97	6.15	2.95	3.56	11.87	3.50	3.23	22.16	
September ..	.37	3.36	.92	4.78	3.67	2.61	3.62	3.60	10.10	3.02	20.34	
October ...	4.12	4.75	6.54	5.94	2.58	4.18	13.00	7.29	5.92	2.77	28.98	
November ..	6.05	7.51	5.61	7.74	5.60	4.53	5.16	4.69	5.04	3.83	18.74	
December ...	7.53	10.21	8.87	3.45	9.50	9.62	4.49	1.74	9.84	6.94	23.01	
TOTALS ...	54.99	50.51	62.18	56.47	58.01	50.30	55.52	52.73	60.23	47.14	215.62	X

1911 cont. for W.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Llanelli					

RAINFALL at Llarellly (Bomlliedi w.r.)County of CarmarthenObserver G. W. Walpays, Esq., C.E.River Basin 3 - Loughorvi. 24 { Howard Rain Gauge, by glass float bottom.  
(1921) m.d. 1920.

OLD GAUGE.

Diameter ...	5											
Height .....	2.3											
Altitude ...	240											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 March	1920-30 Totals
January ...	6.16	6.45	4.33	3.89	6.12	3.75	8.14	6.00	11.29	3.90	9.26	69.29
February ...	2.21	2.20	4.10	8.91	6.1	8.38	5.96	4.96	6.08	2.02	.92	44.35
March .....	6.04	4.35	3.84	2.40	2.93	1.18	1.08	5.29	4.40	1.94	3.40	36.85
April .....	7.66	1.54	3.24	3.57	3.76	4.29	2.22	2.27	1.45	1.44	3.53	34.97
May .....	4.95	2.49	2.32	3.55	4.05	6.32	2.98	2.51	1.14	4.75	3.00	38.06
June .....	4.85	.09	1.69	1.20	3.91	.00	2.65	5.37	6.15	2.33	2.31	30.55
July .....	8.51	3.10	6.66	3.41	5.93	2.79	4.57	4.19	3.65	4.06	5.47	52.39
August .....	3.46	6.55	5.62	6.94	5.80	6.33	6.02	8.30	5.02	4.43	7.37	65.84
September...	7.94	2.42	6.06	5.44	5.34	4.41	1.51	7.93	3.10	.77	6.17	51.09
October .....	7.29	3.03	1.66	8.11	6.88	6.47	3.73	3.80	9.86	7.47	8.47	66.77
November...	3.30	4.11	2.30	5.77	4.12	4.43	10.68	6.94	5.30	13.63	5.58	69.16
December...	5.20	4.25	6.03	6.19	8.71	4.32	.62	4.37	6.40	10.89	8.28	65.26
TOTALS...	67.57	38.58	47.85	59.38	58.21	52.67	50.16	61.93	66.84	57.63	63.76	624.58

Inspected 9.12.31.24 S. badly shakedown by bean stalks (erected 4 days previously). The position in the kitchen garden would be good in vegetables left away from gauge. Recommended new gauge, 1 ft. above ground, in centre of garden with no over-sheltering.

1930, N. F. check gauge. 6. Bremer told record not required in future  
Encl. 16M 698415/26

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1920	51°41'	4°10'W	Llarellly	3 mi	Holy Trinity	1540 yds S.E.



RAINFALL at Llanelli (Comleidi water works) new gauge.County of CardiganshireObserver E. Watkyn, G.E. (Borough Surveyor)River Basin 3- Loughor & c.

J. H. Montgomery

Type of Gauge Snowdon

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

698415/26.

Diameter	5.										
Height	1. 1.										
Altitude	240										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1921-40 Means Totals
January	5.74	7.16	3.81	5.74	1.51	6.76	6.64	7.41	7.47	5.64	57.85
February	6.01	.02	5.16	.50	5.46	2.54	8.68	2.65	3.75	5.78	40.55
March	1.34	2.66	3.29	3.65	1.10	3.62	3.06	1.43	2.18	3.91	26.24
April	3.19	3.61	2.14	3.95	5.60	3.52	3.41	.14	3.61	2.86	31.93
May	4.63	5.08	2.19	2.98	2.57	.82	2.43	4.43	1.71	1.53	28.37
June	5.92	2.61	2.63	2.90	5.51	3.54	1.82	3.61	2.84	.67	31.95
July	7.87	4.90	2.61	1.07	1.45	8.23	3.64	6.27	9.29	4.19	48.42
August	4.11	1.67	2.27	4.38	2.44	2.33	2.03	4.41	5.52.	.54	29.70
September	3.63	6.16	4.59	5.02	7.31	5.32	3.96	2.39	2.08	2.43	42.89
October	2.25	10.22	8.17	4.88	7.94	2.92	4.25	2.58	2.68	5.38	57.27
November	11.33	4.00	1.42	2.44	9.53	6.41	2.53	7.78	11.75	10.53	67.72
December	3.70	4.38	1.88	12.15	4.29	4.56	4.06	4.98	3.66	4.88	48.54
TOTALS	59.72	52.37	40.16	49.66	54.71	50.57	46.41	52.98	56.54	48.34	511.46

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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
1931			Llanelli	2½ m.	N.N.E.	Felinfoel	1500 yds.	S.E.

Station No. 4109

RAINFALL at Manelly (Cwmllidi Water Works)

41

County of CarmarthenObserver T. H. Montgomery Esq.River Basin 3-haughet & c.Manelly V.D.C. (1944)Type of Gauge SnowdonAnnual Average 48.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. D.W.S.File No. 698415/26

Diameter	5				499	320						
Height	1	1				1						
Altitude	240					411						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	
January	4.11	6.66	7.38	5.31	4.49	5.59	4.00	9.40	2.78	1.85	51.57	
February	4.98	4.4	3.43	1.70	6.89	3.78	1.66	2.75	2.30	7.69	35.62	
March	3.10	3.83	1.89	7.4	2.91	1.52	9.76	2.46	2.82	2.28	31.31	
April	1.64	2.43	2.04	3.62	2.65	1.50	3.82	2.70	3.58	3.15	27.13	
May	2.85	6.00	4.57	1.86	3.71	3.63	3.34	2.78	3.42	1.98	34.14	
June	1.13	.63	5.30	3.52	5.88	5.99	2.59	4.02	.52	2.91	32.49	
July	3.23	5.44	3.47	3.18	5.65	2.62	5.39	3.19	1.16	4.65	37.89	
August	6.28	5.07	5.33	4.40	3.03	7.22	.69	9.12	3.78	9.20	54.12	
September	.58	4.43	6.52	5.53	4.47	9.09	2.53	6.32	1.18	9.75	50.40	
October	5.48	5.86	6.81	7.45	4.98	3.82	1.73	6.20	9.35	4.33	56.01	
November	3.91	1.01	4.30	9.08	.88	9.30	5.86	4.70	8.01	7.15	54.20	
December	4.73	6.97	2.79	4.53	7.51	5.67	5.63	7.68	5.34	4.81	55.66	
TOTALS	42.02	48.77	53.83	50.92	52.95	59.73	47.00	61.32	44.24	59.75	520.53	38

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			Manelly	2 1/2 m	N.N.E.	Telinfedy Manelly	1540 yd	S.E.

BRITISH RAINFALL ORGANIZATION



# Air Ministry, Meteorological Office

Station No. 4109

RAINFALL at Glanelly (Cornlleid Water Works)

County of Carmarthen Observer Glanelly V.D.C.

River Basin 3 - Loughor & C

Type of Gauge Snowdon

Annual Average 26.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.

" " 53.49 " " 35 " " " 1916-50 " " 1916-50

File No. 608415/26

Diameter ...	5"				499	320						
Height ...	1' 1"					1						
Altitude ...	240'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	7.28		2.24	4.58	3.55	6.71	4.55	5.00	5.09	6.45		
February ...	4.08		3.66	6.23	3.70	0.63	4.37	5.76	0.88	5.08		
March ...	6.63		3.75	4.15	4.01	2.20	6.50	1.46	4.20	2.73		
April ...	3.78		3.34	1.41	4.40	1.04	.64	1.29	4.40	4.64		
May ...	3.04		3.79	3.47	3.77	1.62	2.21	4.08	1.48	2.61		
June ...	1.30		2.14	6.10	6.80	3.23	2.27	5.00	4.31	2.50		
July ...	1.11		7.06	7.06	0.76	4.14	5.39	5.44	3.00	7.09		
August ...	7.34		5.43	7.12	0.83	6.78	3.67	4.80	2.09	8.13		
September ...	4.49		6.35	5.76	3.13	6.57	10.32	10.14	0.58	8.07		
October ...	1.39		3.97	10.09	2.77	1.91	5.29	5.07	7.78	7.69		
November ...	4.78		5.65	10.96	3.88	1.87	3.17	4.80	10.36	9.73		
December ...	4.74		2.01	5.48	7.82	5.71	3.67	4.73	9.58	6.36		
TOTALS ...	64.96		49.54	72.41	45.64	43.01	52.16	57.77	53.86	71.08		
	D		D	D	D	D	D	D	D	D		

1959 Sup. Mr. O'Keane (4/57) O/S site. Eng. asked to top trees. Only good site 41108 filter beds.

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference SN(22)519031

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge
1951. 55			Glanelly	2 1/2 M N.N.E.	Felinfach.	1540' S.E.
			"	" S.S.W.	"	1/2 M S

Summary of Earlier Records from 10-year Sheets: 1916 - 50 P accepted

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓	✓	✓	✓	✓
	✓	J.B. 1925 Blank	✓	✓	