

RAINFALL at Llanelli (Upper Llidi Res.).

County of Carmarthenshire

Observer J. Watkins, Esq., C.E.

River Basin - S. Loughor.

Boro' Town Llanelli.

S.I. 24 { M.O. Rain Gauge, by
sound correct
class correct.

OLD GAUGE

Diameter ...	5"	8		5"								
Height	3.0	4.6	3.0									
Altitude	290	303										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN	1930
January ...	8.98	8.19	6.09	4.62	6.64	4.25	8.57	6.79	12.94	4.06	9.97	
February ...	2.93	2.21	7.38	9.53	7.71	9.29	6.62	5.17	6.66	2.26	1.91	
March	8.03	5.34	4.70	3.20	3.20	1.39	1.18	5.59	4.92	2.26	3.59	
April.....	8.56	2.12	3.93	3.85	4.44	4.30	2.63	2.40	1.72	1.59	3.64	
May	5.52	3.44	2.10	3.64	4.83	7.18	3.31	2.56	1.27	5.15	3.37	
June	4.93	1.04	1.94	1.32	4.55	1.00	2.66	5.92	7.08	2.65	2.49	
July	9.15	3.86	7.44	3.87	6.10	3.03	4.77	5.19	4.64	4.75	5.70	
August	4.22	7.01	6.71	7.35	8.20	6.77	6.49	9.84	5.40	5.10	7.20	
September...	7.97	2.55	6.79	5.67	7.54	4.99	1.69	7.95	3.14	1.96	5.98	
October.....	7.39	2.98	2.04	8.66	7.93	6.88	4.04	4.48	10.69	7.89	8.58	
November...	3.85	4.56	2.86	6.62	4.23	4.71	10.58	7.71	9.35	14.54	5.90	
December...	6.29	5.18	6.48	7.07	9.94	4.42	7.6	4.62	6.71	11.63	9.08	
TOTALS...	77.82	45.85	59.16	65.39	68.31	57.12	53.30	68.22	74.52	62.84	66.41	

Inspected 9/3. 23. vi. 24. S. in sheltered position at rear of house. The trees have grown & now over-shelter gauge. } The position is sheltered but trees 6 yrs away E subtend L of 54°. } may possibly give reasonable results. hedge 8 ft. W + 8 ft. high } trees 8 ft. N + subtend L of 45°.

Recommended position just below dam, trees give good shelter & subtend angle of 30° or more.

1930. Check q. N.S. Surveyor told record not required in future

Encl. 16A 698415/26

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
1920	51.41°	4° 10' 00"	Llanelli	2 3/4 mi	N.N.E.	1923	1 3/8 mi	S.E.

RAINFALL at Llanelli (Upper Clydach Reservoir)

County of Carmarthen, Observer by Weatherby, Esq., B.C.
 River Basin Loughor - 3.

Rain Gauge, by.....

New Gauge.

Diameter											5
Height											0.11
Altitude											290
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January											4.01 9.89
February											2.20 .91
March											2.14 3.56
April											1.59 3.61
May											5.11 3.34
June											2.65 2.50
July											4.76 5.67
August											5.06 7.16
September96 5.94
October											7.81 8.53
November											14.43 5.85
December											11.57 9.03
TOTALS											62.38 65.99

1929. - See File 698415 (26. (Encl. 12^A))

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
1929.			Llanelli	3 m. N.N.E.		Felinfael	1 1/8 m. S.E.	

RAINFALL at Stanley (Upper Menai Reservoir) new gauge.County of GwyneddObserver C. Watkeys, C.E. (Borough Surveyor)
J. H. MontgomeryRiver Basin R. Dwyryd &c.Type of Gauge Snowdon

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

698415/26

Diameter	5'										
Height	0' 11										
Altitude	890										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.92	8.07	3.93	6.48	1.57	7.01	7.54	8.10	8.99	6.24	6385
February	6.49	.02	5.65	.64	6.01	2.81	8.82	2.68	4.66	6.26	4404
March	1.34	2.74	3.34	3.63	1.10	3.97	2.98	1.42	2.20	4.53	2725
April	3.78	3.75	2.28	3.79	6.00	3.76	3.85	1.10	3.80	3.16	3427
May	4.88	5.02	2.19	3.08	2.57	1.87	2.43	5.11	1.89	1.52	2956
June	6.13	2.27	2.59	3.36	5.61	4.15	2.02	4.11	3.48	.81	3453
July	8.57	5.17	2.95	1.47	1.27	8.45	3.96	6.13	10.66	14.50	5313
August	4.15	1.89	2.87	4.82	2.74	2.42	2.23	4.90	6.09	.56	3267
September	3.66	6.71	4.40	5.28	8.47	5.29	4.06	2.66	1.77	2.47	4477
October	2.61	9.98	6.57	5.01	8.66	2.90	4.46	9.16	2.56	6.14	6064
November	11.77	4.29	1.44	2.60	10.27	6.94	3.07	10.26	12.38	11.07	7399
December	4.06	4.61	1.96	1.90	4.77	4.84	4.02	6.30	4.35	5.27	5308
TOTALS	63.36	54.52	42.17	52.96	59.04	53.41	49.44	61.52	62.83	52.53	55178

Position 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931,			Stanley	3 m.	N.N.E.	Felinfeul	1 $\frac{3}{8}$ m.	S.E.

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

Station No. 410

RAINFALL at Llanelli (Upper Wind Reservoir)

41

County of Carmarthen

Observer J. H. Montgomery Esq.

River Basin 3-hundred + c.

Llanelli U.D.C. (1940)

Type of Gauge S. newton

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

Ref.

File No. b98415 26

Diameter	5				499	301					
Height	0	11					1				
Altitude	290						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.06	4.16	7.94	6.10	4.24	6.23	4.29	10.17	2.46	1.78	54.43
February	5.87	5.4	3.50	1.92	7.33	3.16	1.72	2.83	2.23	7.81	36.91
March	3.28	4.22	2.02	1.80	3.32	1.91	10.96	2.63	2.80	2.49	34.41
April	1.77	2.48	2.16	4.14	2.85	1.57	4.19	2.80	3.90	2.83	28.69
May	3.09	5.84	4.79	2.17	3.80	3.86	3.46	2.89	3.57	1.94	35.41
June	1.18	.91	5.71	3.81	6.88	6.78	2.98	4.52	.77	2.56	36.10
July	4.05	5.54	3.86	3.63	5.61	3.15	5.90	3.53	1.08	4.91	41.26
August	7.09	6.35	6.12	4.52	3.51	7.60	.78	8.89	3.84	9.39	58.07
September	5.4	4.72	7.56	5.60	5.49	10.01	2.68	6.41	1.16	10.01	54.18
October	5.85	6.25	7.07	7.41	5.47	3.70	1.82	6.41	9.9	4.32	56.49
November	3.70	4.02	4.66	9.58	1.14	10.27	6.22	4.75	8.04	7.05	56.43
December	5.33	7.44	3.09	5.31	8.43	6.01	5.89	7.81	4.75	4.02	58.08
TOTALS	45.81	52.47	58.48	54.99	58.07	64.25	50.89	62.64	43.79	59.11	55048

1948 falls off?

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
1941			Llanelli	3 mls	NNE	Felinfeoel, Llanelli	1½ mls SE.

Air Ministry, Meteorological Office

RAINFALL at Llanelli (Upper Teifi Reservoir)
 Station No. 4110
 County of Carmarthen Observer Llanelli M.D.C.
 River Basin 3 - Loughor & C
 Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted. Period of average
 " 52.33 " " 10 " " 1948-57. " " 1946-50 Ref. S.
 File No. 698415/26

Diameter	5"		499	301							
Height	11"				1						
Altitude	290' (51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	7.71	5.66	2.30	3.73	3.96	6.61	5.28	4.91	5.26	6.21	5.11
February	3.77	0.74	3.45	6.01	2.71	0.46	4.26	5.66	0.74	5.02	3.30
March	6.58	5.61	3.64	4.26	4.15	1.56	6.76	1.53	4.44	2.97	4.15
April	3.49	3.72	5.66	1.33	4.57	1.45	5.55	1.22	4.37	4.79	2.91
May	2.80	4.55	3.82	3.25	3.87	1.65	2.21	4.10	1.39	4.56	3.02
June	1.50	4.19	2.28	5.88	7.00	3.23	2.21	5.03	4.26	2.58	3.81
July	9.1	2.12	7.28	6.06	1.10	4.26	5.69	5.87	2.93	7.49	4.37
August	6.73	6.76	4.97	5.85	2.90	7.33	3.41	5.50	1.89	8.93	5.33
September	4.76	2.20	6.08	5.48	3.07	6.26	10.09	9.98	.55	7.46	5.59
October	1.31	5.13	4.32	10.54	2.65	1.84	6.36	5.76	7.50	7.74	5.21
November	9.58	5.13	5.75	10.90	3.83	1.49	2.89	5.28	10.01	9.62	6.44
December	5.24	5.09	2.11	4.97	7.96	5.88	3.59	5.00	9.32	5.87	5.40
TOTALS	54.38	50.90	49.66	69.26	44.77	41.52	52.30	59.84	52.86	71.25	54.674
	D	D	D	D	D	D	D	D	D	D	

359 Surg. Mr. O'Kane (4/53) O/E to find a strong wind in all directions. g should be reduced on west side of Res.

Position of Station on Ordnance One-Inch map:			No. of Map	National Grid Reference SN(22)514043			
Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction	Parish Church	Distance from gauge
1951			Llanelli	3m	N.N.E.	Blinfolk	1 1/8m S.E.
1955			"	"	S	"	- S.S.E.

Summary of Earlier Records from 10-year Sheets:

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
			1929 & 1930 only New gauge Both D		✓	✓