

## RAINFALL AT

Lower Penarth

Lat. ....

Lon. ....

County of

Glamorgan

Snowdon

Rain Gauge, by

Nº 2

Observer

Edgar J. Evans Esq. C.E.

G Nº 2505

open to -5.

Diameter ..			5								
Height ....			10								
Altitude ..			67 ft								
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			2.18	4.31	4.07	1.15	5.35	2.26	2.16	1.83	
February ..			1.02	1.72	4.81	.99	2.89	1.63	2.36	.65	
March ....			2.24	4.34	2.46	4.88	2.65	1.22	2.76	4.01	
April .....			1.80	2.43	1.40	2.71	1.45	3.52	2.69	2.02	
May .....			2.17	2.28	2.68	.18	3.75	2.72	1.33	1.51	
June .....			3.03	2.82	.80	3.62	2.39	3.19	.41	2.94	
July .....			1.94	4.49	4.20	.80	.90	2.99	2.99	3.01	
August ....			3.90	5.80	2.85	3.56	3.53	3.04	5.12	3.36	
September..		2.46	2.74	3.18	2.39	1.42	1.14	.97	3.35	4.17	
October....		2.45	3.05	9.10	2.51	2.16	6.06	6.12	2.54	5.84	
November ..		.86	3.99	2.49	3.24	3.72	3.59	3.58	1.56	1.73	
December ..		4.82	3.12	3.49	2.98	2.04	2.23	6.40	2.62	6.38	
TOTALS ..			31.18	46.45	34.42	27.26	35.93	37.64	29.89	37.45	

Gauge is 1.27 miles due S of that at Penarth (Nº 2506)  
 and 550 yards from coast line  
 Penarth Church 1.67 mile N by E  
 S Penarth Station .82 N E by N

## RAINFALL at

Lower Penarth

County of Glamorgan

Observer E. J. Evans Esq C.E.

River Basin Ogmore + C 5

Situation Rain Gauge, by No 3

Diameter ...	5											
Height .....	10											
Altitude ...	67 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 Means. Totals	
January ...	3.86	1.39	4.52	6.13	1.65	3.05	2.34	1.16	4.02	4.51	12.03	✓
February ...	4.00	3.55	2.42	.88	2.67	3.73	5.21	1.39	1.71	3.50	11.87	✓
March .....	.72	2.70	5.37	4.01	5.81	1.32	4.14	2.36	1.59	5.53	13.64	✓
April .....	2.62	2.20	.35	3.68	2.20	1.18	1.71	1.85	1.92	1.58	6.86	✓
May .....	3.11	1.14	1.60	2.24	1.97	2.90	4.15	2.78	1.09	.63	8.65	✓
June .....	4.73	2.37	4.69	1.63	2.72	1.61	3.08	2.29	1.08	1.23	7.68	✓
July .....	2.24	.07	3.51	.60	4.67	3.57	1.65	2.75	6.30	3.54	13.24	✓
August .....	5.31	1.56	9.02	.69	3.09	1.50	4.05	5.74	3.38	2.49	15.66	✓
September ..	.33	1.91	.65	2.64	2.93	1.69	2.76	2.16	10.68	1.40	17.00	✓
October ...	5.48	3.35	4.46	4.84	2.20	4.22	7.67	5.98	2.10	3.57	18.26	✓
November ..	5.67	4.60	2.46	3.71	4.21	2.26	2.30	1.66	2.14	2.34	8.64	✓
December ...	5.01	7.75	5.89	2.10	5.79	7.37	3.43	1.03	5.31	7.03	16.79	✓
TOTALS ...	43.08	32.59	44.94	33.15	39.91	34.43	42.49	31.15	41.32	35.36	150.32	✓
	→	→	→	→	→	→	→	→	→	→		

3P

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	51.25.3	31.03.7 W	Lower Penarth	1.67 mi	N by E	Penarth	1.32 mi	NE by N
				.32 mi	NE by N		1.67 mi	N by E

RAINFALL at Lowest PenarthCounty of GlamorganObserver E. J. Evans, Esq. C.E.River Basin Ogmore - 5Shroden Rain Gauge, by Nordf.

Gal. iron (good condition)

N<sup>o</sup> 2 glass (certain) correctly graduated.

Diameter ...	5"											5	
Height .....	1.0											11 1/2	
Altitude ...	67											65.66	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS. 1930.	1920-30 Totals	
January ...	4.98	3.80	2.89	2.08	4.62	3.01	5.49	4.45	7.83	1.22	4.76	45.13	
February ...	0.98	.09	3.36	6.28	.36	4.40	2.50	2.92	3.64	1.18	.60	26.31	
March .....	2.14	1.99	3.10	1.33	1.27	.14	.45	3.56	3.14	.60	2.12	20.84	
April.....	3.92	.54	2.67	2.25	2.37	1.72	1.89	1.56	1.57	.27	2.32	21.08	
May .....	3.05	1.64	1.40	2.04	3.65	3.66	1.52	1.77	.50	2.53	1.21	22.97	
June .....	3.31	.20	1.03	.53	2.65	.11	1.42	2.64	1.89	1.82	.55	16.15	
July .....	5.35	.82	2.97	2.18	6.27	3.15	2.04	2.98	2.40	2.19	2.80	33.15	
August .....	2.40	2.58	4.05	3.79	6.86	4.78	3.42	4.01	2.24	3.97	4.47	42.57	
September...	2.89	4.20	2.69	3.00	4.91	4.24	1.76	7.03	.58	.58	3.96	35.84	
October.....	3.37	2.34	1.15	5.00	5.95	5.53	4.44	3.31	5.08	6.51	3.34	46.02	
November...	2.31	2.06	1.50	2.93	3.12	1.75	7.21	4.99	3.86	9.35	4.06	43.14	
December...	3.89	2.16	5.12	3.34	4.37	4.08	.20	2.83	4.14	6.77	3.54	40.44	
TOTALS	39.59	22.42	31.93	34.75	46.40	26.57	32.34	42.05	36.87	36.99	33.73	393.64	

No. of days near g.

Inspected 23.16.24. 2. at South Wales ~~State Works~~

Position not ideal, gauge being on rather exposed plateau but this is some shelter all around especially on seaward side. No ideal position available.

1930 G. read 9 a.m. W. with Summer.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51°25'33"	3°10'37"	Lowest Penarth	1/2	15.64	Penarth	1.67	W. by E.



RAINFALL at Lower PenarthCounty of GlamorganObserver G. J. Evans, B.E. retired 31/10/35River Basin 5- Ogmore & c.

The Surveyor to the Penarth U.O.C

Type of Gauge StandardAnnual Average 34.2 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. S

813 298 / 27

Diameter	5.										
Height	10										
Altitude	66										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1921-40 - Means Total 6
January	2.74	4.60	1.74	2.39	4.8	3.72	3.78	4.54	6.26	3.78	34.03
February	2.70	.00	4.82	41	2.65	1.32	6.29	1.25	2.50	2.68	23.62
March	.75	1.88	2.79	1.57	.74	2.74	3.47	.26	0.91	2.88	17.99
April	2.65	2.97	1.42	2.49	4.50	2.12	3.60	.07	2.82	2.80	26.44
May	7.13	4.03	2.14	1.41	.95	1.57	1.94	2.09	0.94	1.95	24.15
June	3.39	.90	1.80	1.24	2.83	3.69	.82	1.17	2.07	.91	18.82
July	3.47	2.94	1.87	1.26	.22	5.62	3.04	2.38	6.57	4.17	31.54
August	4.37	1.41	1.77	3.76	2.22	.69	.49	3.58	3.01	.47	21.77
September	1.48	4.28	1.73	3.71	8.25	3.25	1.51	2.03	0.74	1.68	28.66
October	1.03	7.29	4.65	2.60	5.61	1.82	3.22	7.80	3.51	5.14	42.67
November	4.47	1.75	0.80	1.73	5.43	3.65	2.09	4.95	8.04	8.18	41.09
December	2.43	1.97	1.79	7.94	3.47	3.05	1.68	5.00	3.22	2.64	33.19
TOTALS	36.61	34.02	27.32	30.51	37.35	34.24	30.93	35.12	40.59	37.28	342.9

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.			Lower Penarth	1.32 m.	N.E. by N.	Penarth	1.67 m.	N. by E.

Station No. 4253RAINFALL at Lower Penarth

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County of GlamorganObserver The Surveyor (to the Penarth U.D.)River Basin S. Ogmore & C.Type of Gauge StandardAnnual Average 34.9 in. based on 29 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 813298/27

Diameter	5"				491	168					
Height	1' 0"					1					
Altitude	66					41					
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1911-20 Means Totals
January	4.70	4.44	5.84	3.44	3.60	3.58	3.79	4.63	1.31	1.39	39.72
February	3.28	2.9	1.95	1.04	4.30	2.59	1.13	2.22	1.52	6.36	24.68
March	2.47	2.26	1.53	.44	1.40	1.11	6.16	1.25	1.57	1.91	20.10
April	1.32	.99	1.31	2.86	1.39	2.12	2.59	2.34	2.09	3.46	20.47
May	1.81	4.01	3.31	2.35	3.26	4.89	2.41	3.87	4.12	1.70	31.93
June	1.21	30	1.95	3.65	4.59	3.97	2.28	2.29	.66	1.36	22.26
July	2.88	2.60	2.33	2.60	2.84	2.13	2.30	3.20	1.72	4.40	27.00
August	5.80	5.16	4.06	4.25	2.17	7.72	1.00	5.19	2.16	7.39	44.90
September	.66	2.71	4.61	5.33	3.22	4.86	2.04	5.21	2.63	6.85	36.18
October	2.39	3.60	2.47	3.94	4.98	1.06	.75	5.56	7.17	1.89	33.81
November	2.00	1.23	2.60	6.98	.78	5.77	4.79	2.36	3.98	7.69	38.18
December	3.05	3.66	2.52	3.17	5.34	3.25	3.70	2.90	4.50	2.20	34.29
TOTALS	31.57	31.25	34.48	40.11	37.87	43.05	33.14	42.02	35.43	46.60	373.52

1944 - Cement Works (where this gauge is situated) closed down in Sept., consequently gauge cannot be always read daily in future

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			Lower Penarth	1100'	NNE	Lower Penarth	4,800'	SSE.

BRITISH RAINFALL ORGANIZATION

# Air Ministry, Meteorological Office

Station No. 4053

RAINFALL at Lower Penarth

County of Glamorgan

Observer The Surveyor to Penarth U.C.

River Basin S. Ogmore & C.

Type of Gauge Snowdon

Annual Average 34.9 in. based on 29 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 3

" 36.04 " " 35 " " 1916-50 " " 1916-50

File No. 812298/27

Diameter ...	5"				49)	768					
Height ...	1'-0"					1					
Altitude ...	66'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.55	3.96	0.89	2.53	4.59	4.53	3.56	2.86	3.89	3.49	2485
February ...	4.05	1.02	1.79	4.50	2.78	0.28	3.54	4.36	3.9	2.15	2586
March ...	4.42	3.12	1.26	4.41	1.10	1.02	3.82	0.88	2.84	1.96	2483
April ...	3.76	2.85	3.92	0.84	2.31	1.25	0.14	0.70	2.62	2.33	2072
May ...	2.77	3.70	2.56	1.84	6.62	1.01	1.60	3.31	1.30	1.27	2488
June ...	0.54	1.74	1.71	3.99	5.21	2.21	1.14	2.85	1.17	1.39	2195
July ...	1.28	1.57	4.27	3.75	0.70	2.65	3.72	2.28	3.52	4.76	2880
August ...	4.38	5.50	5.33	3.95	0.99	5.51	2.64	3.22	3.02	4.65	3919
September ...	3.39	5.14	4.70	6.87	3.04	4.65	4.41	5.57	3.30	4.72	4281
October ...	1.67	5.06	2.94	5.52	2.51	1.88	3.67	3.38	4.78	8.23	3967
November ...	7.15	5.17	3.08	7.54	7.80	0.96	2.76	2.58	3.62	6.34	4700
December ...	3.07	3.45	1.71	3.91	13.13*	3.57	1.97	4.32	6.70	5.94	4777
TOTALS ...	41.03	42.28	34.16	40.65	49.68	29.52	32.97	36.33	34.15	47.23	39700

1955 n.p. big (insplashing\*) Correspondence - 67A. 813298/27

1958 n.p. low

1959 n.p. low

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference 254183697

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge
1951. 1956.			Lower Penarth Lavernock.	1,100' 3,600'	N.N.E. S.S.W.	Lavernock. Lavernock.
						4,800' 4,800'
						S.S.E. S.S.E.

Summary of Earlier Records from 10-year Sheets:

1916-50

P accepted.

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	✓	35-38 37-40 d Ref blank	72-74 only D not d	