

RAINFALL AT Cardiff w.w. Stoney Arms Nov

Lat. _____

Long. _____

County of Brecknock

Taff - It.

Rain Gauge, by

Observer

C.H. Priestley Esq. C.E.

Diameter							5			
Height							1 0			
Altitude							1430			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899
										MEANS.
January							3.28	4.27	7.49	12.62
February							2.02	7.44	4.20	8.12
March							7.62	9.66	2.29	2.72
April							1.64	5.58	5.00	7.61
May							1.6	3.25	7.44	4.65
June							4.75	3.79	4.84	2.30
July							3.70	3.21	1.68	1.99
August							4.15	9.59	11.53	1.80
September							10.93	7.81	2.45	5.02
October							8.36	4.02	12.24	6.89
November							2.16	8.07	7.62	6.70
December							13.28	14.21	10.62	4.56
TOTALS							62.15	62.05	80.90	77.40
										64.98

1895 from P.T. need 13. i. 05 (C.H. Priestley)

RAINFALL AT Cardiff w/w Stoney Arms No 4

Lat.

Long.

County of Brecknock

Rain Gauge, by

Observer C H Priestley Esq CL

Daff - 4.

Diameter ..	5										
Height	1. 0										
Altitude			1430							
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MRAINS.
January ..	8.81	4.67	3.94	11.89	9.86	2.17	10.63	2.41	5.17	2.57	6212
February ..	8.75	2.87	3.76	8.48	7.36	1.64	4.84	2.82	2.77	.75	4404
March ..	2.09	4.92	3.46	13.43	3.01	9.66	3.43	3.16	5.83	6.70	5569
April ..	2.69	7.17	3.72	2.67	3.92	7.84	1.39	7.57	4.02	5.34	4633
May ..	5.29	1.99	3.38	5.52	3.59	.50	6.22	4.58	6.30	2.28	3965
June ..	5.64	3.50	5.23	3.40	2.99	6.16	3.81	8.34	2.34	4.32	4573
July ..	2.80	3.20	2.10	4.12	4.40	2.06	1.60	5.78	6.39	4.68	3713
August ..	8.13	5.66	4.04	9.77	5.62	7.75	6.55	7.38	7.93	2.86	6519
September ..	3.99	5.63	2.97	7.22	4.17	3.54	1.51	1.73	4.31	4.96	4003
October ..	9.04	4.52	7.07	16.96	2.96	4.26	10.11	12.55	5.14	14.81	8692
November ..	8.10	3.17	7.75	5.54	3.84	8.47	6.96	5.94	4.67	3.28	5772
December ..	13.29	10.57	6.10	6.49	6.77	2.15	2.90	11.51	7.33	12.39	7950
TOTALS ..	78.62	57.87	53.52	95.49	58.49	56.20	59.95	73.77	62.20	63.94	661325 1.64

RAINFALL at Cardiff W.W. Honey Arrows N° 4

County of Brecon

Observer C.H. Priestley Esq. C.R.

River Basin Taff 4

Rain Gauge, by

Weekly

Diameter ...	5										
Height	1.0										
Altitude ...	1430										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.67	2.40	6.31	9.75	4.92	5.79	6.46	1.96	7.86	7.00	
February ...	7.87	5.70	7.02	3.95	10.03	13.48	8.12	1.73	5.81	4.75	
March	2.03	2.86	12.57	12.60	8.25	1.87	4.35	4.58	3.34	2.50	
April	4.98	3.21	50	10.80	2.16	2.82	3.47	2.05	3.67	2.93	
May	3.67	2.19	2.69	4.64	3.75	4.64	4.56	6.14	2.96	1.54	
June.....	5.64	4.93	8.08	2.94	3.58	1.78	4.41	4.07	2.13	3.02	
July	5.71	4.43	6.59	1.52	7.06	8.72	2.73	4.21	9.01	1.77	
August.....	9.64	5.46	13.14	4.00	8.14	3.88	5.84	15.85	3.48	5.30	
September ..	.97	4.32	1.36	4.42	2.65	1.47	3.34	3.77	8.13	4.99	
October ...	6.81	5.95	8.84	8.95	5.31	7.38	14.14	9.68	4.67	3.59	
November ..	7.67	10.13	4.64	10.85	8.60	5.98	8.18	3.84	8.25	3.99	
December ...	13.66	16.20	13.30	3.93	16.13	17.99	5.19	1.82	11.46	10.94	
TOTALS ...	75.32	63.78	85.04	78.35	80.58	75.80	73.79	59.70	70.77	58.72	72.185

+ Inspected

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

RAINFALL at Cardiff N.W. (Stonydowns). 1924 (OLD)

County of Brecon

Observer G.H. Priestley Esq., C.E.

River Basin Taff & Afon

(1926) H.G. Peters Esq.

J.S. 24 { Culverden Rain Gauge, by No 2
good condition around no 3307

Neaply Scale in Seams

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	10.05	9.70	8.65	4.39	7.90	8.47	11.05	7.20	15.60	3.16	12.92	
February ...	9.87	2.25	8.92	12.61	7.2	10.27	6.02	6.45	7.16	1.38	1.93	
March	8.83	8.34	5.18	2.18	3.07	1.29	2.05	7.14	8.64	1.85	4.30	
April.....	9.32	1.55	3.96	3.66	5.59	4.77	4.08	2.43	3.03	1.43	6.60	
May	5.36	3.28	1.50	3.11	4.74	7.17	4.47	3.21	1.20	7.25	2.87	
June	5.71	6.65	2.10	7.7	4.18	0.0	3.46	6.51	8.42	4.77	4.86	
July	10.23	4.60	(9.63)	3.71	7.82	3.11	(4.68)	8.21	4.99	4.94	8.77	
August	9.78	9.82	5.58	6.77	8.63	6.69	7.74	12.49	6.83	6.08	7.28	
September...	9.94	3.63	4.24	4.16	12.10	5.86	3.95	11.16	3.01	3.10	8.87	
October.....	5.20	2.58	2.08	11.17	10.32	10.61	6.28	8.69	14.81	10.79	10.04	
November...	4.25	5.00	2.41	5.07	6.00	3.93	13.56	6.87	14.14	21.95	8.44	
December...	11.00	3.82	10.96	6.01	13.29	6.32	7.99	4.87	6.97	22.19	8.86	
TOTALS...	81.04	53.22	65.21	63.61	84.36	68.49	68.33	85.23	95.10	88.69	84.73	

1926 July 31st cold (g lampred with)

Inspected 25.10.1924. S. on open road in valley opens S.W. Good shelter E, N & W but not to S. Rather over exposed.

Close new position on other side of valley about 250 ft lower, with good shelter all around except N where beyond the valley there was shelter from mountain.

1926 July part cold. from surv. stns. gauge lampred with.

1929. See also note 9.
1930 Record terminated 31 Dec. See new 8. for continuation.

F. 66055-8/26

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	Direction from gauge	Parish Church.	Distance from gauge

20

RAINFALL at Cardiff W.W. (Stoney Arms)
 (Blaen Yaf Fawr)
 formerly called
 No 2 (New g.)

County of Brecon
 River Basin Taff - 4

Observer Engines
N. J. Peters.

Rain Gauge, by _____

Diameter ...											
Height											1.0
Altitude ...											1430
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...										(3.40)	16.71
February ...										(2.50)	.91
March										(1.90)	4.82
April										1.61	6.50
May										8.21	3.21
June										4.70	5.24
July										6.22	9.24
August										6.53	7.69
September...										3.32	8.76
October.....										12.69	11.38
November...										23.37	10.83
December...										23.94	9.39
TOTALS...										(98.00)	94.68

1/4/29 Gauge fixed in situ recommended by Inspector
 and Jan - March estimates by adding 10% to readings
 of gauge in old site. See previous sheet and
 File 660558/26

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

RAINFALL at

Cardiff, w. (Sloey Arms Field)

County of..... Brecon.

Observer N.T. Peters, B.E.

River Basin w. Taff.

H.W.S. cover in Eng. C.E. (1938)

Type of Gauge M.O.

G.W. Cover, Esq., C.E. (1939)

Annual Average 88.5 in. based on 6 years obs. weighted. Period of average 1931-1935 Ref. 1W.3

660588/26.

Diameter	5"											
Height	1' 0"											
Altitude	1430'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	16.95	8.91	14.02	2.67	10.78	15.54	16.25	13.84	4.87			
February	14.0	12.45	.95	11.37	4.14	13.37	4.68	9.02	8.06			
March	5.10	8.33	6.90	2.31	5.84	6.96	1.43	4.28	9.31			
April	8.52	3.24	5.99	11.92	5.11	6.02	3.34	6.43	5.06			
May	9.83	2.32	5.62	2.56	2.46	3.18	7.58	1.22	2.56			
June	9.33	3.39	4.32	3.46	9.83	5.46	4.48	7.15	7.37	1.14		
July	8.99	8.64	7.13	2.85	1.84	13.59	5.62	6.15	16.80	5.00		
August	7.85	4.48	2.02	7.32	3.05	2.74	1.94	6.74	6.11	1.13		
September	3.63	8.39	2.86	8.30	11.69	6.88	3.84	3.51	1.60	5.13		
October	3.12	15.15	11.38	10.11	12.06	5.95	5.63	16.88	6.14	11.25		
November	18.60	7.69	2.14	5.69	12.03	8.70	4.44	14.32	18.07	18.45		
December	5.82	6.73	2.91	21.80	6.78	15.71	6.80	8.75	6.15	6.52		
TOTALS	1931. Inf. 95.27	68.01	93.01	88.11	87.36	77.82	93.78	97.03	80.28	73		
		D	D	D	D	D	D	D	D	D		75.67

1931. N. S. inf. New g. fixed in accordance with Bk. O. Report 28/3/31
 1940. Feb. consid. for snow.

Position of Station on reduced Ordnance Survey Map, } No. of Map 90 Reference No. G. II.
 1 mile to 1 inch Series }

Date	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

RAINFALL at Cardiff, W.W. (Blaen Taf Fawr) gauge.

County of Brecon.

Observer B. N. T. Pugh, B.E.

River Basin Taff.

H.W.D. Cardiff gauge, C.E. (1938)

Type of Gauge.

G.W. Govey Esq., C.E. (1939)

Annual Average 85.7 in. based on 6 years obs. un-weighted. Period of average 1881-1915 Ref. ff 115
(1939) 85.7 6 1660 558/26

Diameter	5.											
Height	1.0											
Altitude	4630											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.97	16.60	9.62	13.47	2.86	10.64	15.65	18.32	13.42	4.32	109.87	
February	7.59	4.4	7.24	9.4	10.50	4.30	13.57	4.28	8.49	7.44	64.79	
March	1.15	4.98	8.41	6.66	2.13	5.65	6.73	1.35	4.44	9.95	51.45	
April	6.48	8.66	3.02	6.06	11.80	4.93	6.10	3.6	6.96	5.33	59.70	
May	7.60	10.17	2.43	5.24	2.43	2.41	3.25	7.13	1.25	2.84	44.75	
June	9.32	3.26	4.61	3.20	9.11	5.76	3.58	6.94	7.23	1.28	54.29	
July	8.45	8.12	6.94	2.34	1.65	13.25	5.25	6.34	15.95	5.90	74.19	
August	8.30	4.36	2.04	7.26	2.73	2.52	2.04	6.34	5.84	1.14	42.59	
September	3.53	7.47	2.78	8.17	12.73	6.54	3.73	3.23	1.84	5.03	53.05	
October	2.89	15.31	10.98	9.37	12.23	5.94	6.06	15.50	5.88	11.63	95.79	
November	18.48	7.55	1.98	5.18	11.62	8.02	4.25	13.87	15.54	17.38	103.87	
December	5.76	6.54	2.61	20.76	6.55	15.72	8.09	8.20	5.75	6.53	86.60	
TOTALS	87.52	93.45	b2.66	88.64	84.4+85.68	78.30	w w w	82.86	92.62	78.77	84094	115

* formerly called Cardiff W.W. (Blaen armo)

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	Parish Church.	Distance from gauge

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

Station No. T.F. 11515

RAINFALL at Cardiff w.w. (Stoney Arms Field)

41

County of Brecon

Observer G. W. Cover, Esq., C.E.

River Basin H-Taff

Type of Gauge M.O.

Annual Average 88.5 in. based on 6 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 660568/21

Diameter	5			488	941						
Height	1	0				1					
Altitude	1430					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	7.09	9.86	15.10	11.55	7.56	15.03	7.87	18.39	4.62	4.14	
February	10.07	1.16	5.87	3.05	12.48	8.92	3.22	6.33	4.55	15.82	
March	6.90	6.37	1.65	.70	5.36	4.11	13.52	4.89	3.47	5.97	
April	2.24	4.14	3.52	5.22	5.92	3.30	8.28	4.63	9.06	6.77	
May	5.35	10.58	8.78	3.60	6.99	5.54	3.56	4.68	7.31	3.86	
June	1.83	1.64	7.67	6.13	9.69	11.30	4.01	8.07	.99	4.90	
July	5.46	8.48	6.44	6.65	6.28	4.36	4.89	3.52	2.57	9.32	
August	9.18	9.67	9.56	4.70	5.94	12.52	.79	9.08	4.24	12.07	
September	1.22	7.18	8.51	10.27	8.78	13.75	4.47	9.66	3.24	12.66	
October	12.72	7.78	8.16	11.30	10.68	1.76	1.90	5.73	12.85	5.29	
November	6.95	1.90	6.51	15.57	1.12	18.77	10.78	5.31	9.61	11.31	
December	8.66	14.18	4.45	8.34	12.55	9.01	7.27	16.01	11.35	5.22	
TOTALS	77.67	81.94	86.22	87.08	93.35	108.37	70.56	96.30	73.86	97.83	

Dec. 1948. Gauge replaced with new one although old gauge does not appear to leak.
Engineer agrees new is falling off. 1948 low. Print with? Engineer unable to account for falling off.

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.

Station No. T.F. 14158

RAINFALL at Cardiff W.W. (Blasen Taff Fawr)

41

County of Brecon

Observer G. W. Conner, Esq., C.E.

River Basin W-Taff

Type of Gauge

Annual Average 55.7 in. based on 60 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 1610558/26

Diameter	5				488	933				
Height	1	0					1			
Altitude	1430						41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	(7.50)	9.16	15.29	11.24	8.06	16.54	8.86	19.46	4.75	4.12
February	10.26	1.34	5.82	3.15	12.84	9.14	2.86	6.47	4.74	16.10
March	6.98	6.28	1.67	.76	5.89	4.18	13.47	5.66	3.61	6.80
April	2.28	4.03	3.78	4.88	6.28	3.30	9.13	4.61	8.71	7.12
May	5.36	10.61	8.77	3.89	7.01	6.51	3.89	5.38	7.79	3.04
June	2.23	7.2	7.33	6.21	9.16	10.94	4.20	8.63	9.7	5.52
July	5.47	8.02	6.13	6.40	6.68	4.47	5.00	3.59	2.49	9.25
August	9.15	9.23	8.74	4.88	5.59	13.07	.78	10.05	3.84	12.46
September	4.22	7.18	8.43	9.31	9.04	14.10	4.48	10.55	3.14	14.25
October	10.82	8.12	7.63	11.22	10.78	1.96	2.09	5.66	13.20	5.48
November	7.06	2.03	6.78	15.44	1.01	19.24	10.64	5.05	9.58	11.61
December	8.44	14.26	4.42	8.29	12.66	9.56	7.57	16.68	10.82	4.48
TOTALS	76.77 W. W.	81.58 W.	84.79 W.	85.12 W.	95.00 W.	112.01 W.	72.97 W.	101.79 W.	73.68 W.	100.22 W.

1941 Jan St. estd.

4000 ft

✓ 9/13

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

Station No.....

415715 TFS6

RAINFALL at Cardiff UW (Stoney Arms Field)

51

County of Brecknockshire

Observer G.H. Lunn Esq. C.E.

River Basin 4 - Taff

Cardiff Corporation

Type of Gauge.

M.O. (Bentley's) standard

Annual Average 88.5 in. based on b years obs. unweighted. Period of average 1881-1915 Ref. 1.W.S.
 86.42 - 8 1949-56 1916 [1950] File No. 660558 126

Diameter ...	5"				488	941					
Height ...	1' 0"						1				
Altitude ...	1430'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	11.86	8.92	2.59	4.59	6.61	10.81	16.65	9.59	11.71	12.69	
February	8.89	2.09	4.29	8.43	3.10	7.76	10.16	13.33	.96	10.81	
March	8.47	7.39	7.93	6.15	6.16	3.96	10.39	2.65	10.53	4.19	
April	7.98	5.75	6.52	1.97	6.34	2.29	.67	2.58	10.89	7.83	
May	4.86	7.32	5.93	5.36	8.95	2.56	4.64	7.74	2.82	2.81	
June	3.91	6.01	3.03	7.13	9.81	5.13	2.09	5.37	3.94	4.64	
July	2.56	3.25	10.24	6.88	1.37	8.22	9.16	7.20	8.04	9.95	
August	13.89	11.69	6.55	10.27	2.66	9.94	8.10	6.64	2.05	5.60	
September	7.80	5.42	8.29	10.94	4.28	9.17	13.82	15.22	.95	7.90	
October	2.49	8.01	4.27	18.57	4.41	4.03	9.70	9.55	11.13	12.83	
November	16.63	5.95	7.98	15.36	6.02	2.72	5.11	4.83	14.91	20.42	
December	11.28	7.67	2.33	9.89	12.22	11.25	9.74	8.83	23.03	13.12	
TOTALS ...	100.12	79.47	69.95	105.54	69.83	70.84	100.23	93.53	100.96	12.79	
	D	D	D	D	D	D	D	D	D	D	

Inspected May 1956 Mr. Dales. Gauge funnel sound. Measure handle etc reasonable. Second gauge (Bradford) read monthly, nearly

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 22/986200

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19 0.9	1920-30	n.g. 1931-40	1941-50	1951-60
	1910-19 -	1920-30 -	1931 up 1932-40 D	D	

Station No. 4158

4158 TF56

RAINFALL at Cardiff W.W (Blaen Taf Fawr)

County of Brecknockshire

Observer G.W. Conner, Esq., C.E.

River Basin..... U - Taff

Bu cliff Corporation

Type of Gauge

Annual Average 85.1 in. based on 6 years obs. - weighted. Period of average 1881-1915 Ref. IWS
1916-1950 60 55 8 126 S
87.61 - 25 - (in thirty) 1929-56 File No.

Diameter	5"		488	933						
Height	1'0"			1						
Altitude	1480'	1675'			51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
										Means
January	12.33	8.44	2.97	4.59	6.74	10.32	12.46	9.75	10.59	12.44
February	8.48	(2.29)	4.67	9.03	3.11	.78	9.17	13.53	.96	9.26
March	8.95	7.50	7.63	6.34	4.92	3.76	9.14	2.52	8.23	3.33
April	7.77	6.17	6.35	2.56	6.10	2.18	.61	2.88	9.37	7.18
May	5.10	8.10	6.26	5.07	10.39	3.12	5.31	7.78	1.98	1.99
June	3.89	5.92	3.25	7.60	9.71	5.16	1.91	5.24	3.13	4.72
July	2.43	(3.30)	9.82	6.44	1.10	8.54	9.70	7.14	7.15	9.84
August	13.21	(11.70)	6.24	9.93	2.64	7.86	7.60	7.31	1.87	5.96
September	8.83	5.15	7.18	10.76	4.05	9.27	13.17	14.91	.46	8.07
October	2.48	8.57	6.40	19.41	4.62	4.23	8.28	9.18	10.69	11.77
November	16.09	6.69	7.66	16.15	6.35	2.67	5.63	4.85	13.58	20.16
December	11.94	8.04	2.58	10.29	10.58	11.33	10.27	7.90	19.85	12.57
TOTALS	101.50	81.87	71.01	108.17	70.31	69.22	93.25	92.99	87.86	107.29
	w	w	w	w	w	w	w	w	w-wp.	wp.

1952. Feb.-adj. Aug. agrees. Jul.-Aug. MO 35 cat.

Inspected May 1956 Mr. Deeks. Orange sand, no site reasonable

1956 Jan

1957 Print

1959 n.p. 1000

1960 up low -

Position of Station on Ordnance One Inch map:

No. of Men

National Grid Reference: 22/92322

Position of station on Ordnance One-inch map:			No. of Map:	National Grid Reference		
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets:

Record No. or d		1910-19	1920-30	1931-40	1941-50 ✓	1951-60
		C 1929. 1929-30 -	1931 - 1932-40 W		W	