

4155

RAINFALL AT Cardiff Reservoir No 2

Lud.

Tamm.

County of Brecknock

Rain Gauge, but

Observer.

Observer J. A. B. Williams Esq C.R.

Jaff - 4.

RAINFALL AT Cardiff w.w. Cardiff Reservoir No. 2

Lat.

Lon.

County of Brecknock

Taff - 16.

Rain Gauge, by

Observer J.A.B. Millions Esq. CL
C. H. Priestley Esq. CL

Diameter	5										
Height	10										
Altitude	1120										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.67	6.76	4.16	4.52	7.94	6.19	3.70	2.68	6.26	13.45	6.893
February	1.81	2.20	3.52	9.45	7.52	2.26	2.19	7.70	5.24	7.43	4.232
March	4.83	3.20	1.91	1.11	5.48	6.08	8.72	9.92	2.48	3.56	4.729
April	1.89	5.48	2.14	.19	3.32	3.65	2.04	4.89	4.90	8.15	3.665
May	2.77	5.61	2.56	4.43	5.24	.86	.14	3.56	4.77	4.18	3.112
June	4.69	3.74	3.50	2.88	3.74	1.67	2.87	4.04	4.49	2.19	3.281
July	4.26	4.58	3.02	5.24	5.09	8.04	2.93	3.31	2.43	2.11	4.111
August	5.71	11.08	5.69	4.57	4.97	7.60	4.20	9.10	8.72	2.07	6.071
September	3.05	5.98	5.14	3.72	1.89	1.91	10.64	8.02	2.32	5.29	4.996
October	3.95	13.94	6.16	5.92	9.15	4.92	8.63	4.08	9.09	6.29	9.203
November	9.10	5.79	5.36	4.42	10.48	11.13	2.47	8.02	6.48	6.39	6.964
December	1.44	11.86	4.04	8.76	7.03	6.75	12.36	14.51	12.95	4.37	8.407
TOTALS	56.17	78.22	47.20	55.21	71.85	59.06	60.89	79.83	70.13	65.48	64.404

RAINFALL AT Cardiff W.W. Cantref Reservoir No 2

Lat.

Long.

County of Brecknock

Rain Gauge, by

Observer C H Priestley Eng C.E.

2ft - 4ft

Diameter ..	5										
Height	10										
Altitude ..	1120										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.05	6.02	4.60	12.04	10.94	3.25	11.17	5.12	8.03	4.26	7.348
February ..	8.06	2.38	3.02	8.23	9.15	3.33	5.68	4.25	4.96	1.37	5.043
March	1.20	6.00	4.39	12.35	3.29	10.89	5.81	4.19	6.46	6.63	6.121
April	3.45	7.27	3.55	3.31	6.23	7.59	1.62	6.65	4.22	5.72	4.961
May	4.36	1.56	3.63	5.59	4.21	.87	6.01	4.46	6.53	2.89	4.011
June	5.74	3.81	3.78	2.26	2.74	5.30	2.89	8.74	2.10	4.78	4.164
July	2.35	1.28	2.74	4.62	4.06	2.21	2.29	5.35	8.19	6.19	3.928
August	7.05	5.51	4.92	9.75	5.60	7.53	5.97	9.18	10.24	2.90	6.865
September ..	4.26	4.18	2.89	6.73	3.76	2.88	2.20	1.89	4.38	4.82	3.799
October	10.25	4.14	6.23	17.65	5.11	4.09	9.07	10.24	4.47	15.47	8.672
November ..	6.63	3.17	6.41	4.92	5.05	6.51	9.02	4.75	4.91	3.66	5.503
December ..	13.50	11.88	7.76	6.29	6.96	3.05	5.46	10.94	7.53	15.47	8.884
TOTALS ..	74.90	56.70	53.92	93.74	67.10	57.50	67.19	75.76	72.02	74.16	69.220 5.41

Hus

RAINFALL at Cardiff W.W. Cantref Res No 2

County of Brecon

Observer C H Priestley Esq cl.

River Basin Taff 4

Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	1120											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means. Totals	
January ...	9.62	3.20	8.10	9.88	6.74	8.19	10.44	3.02	7.49	9.13	30.08	
February ...	10.45	9.62	6.51	4.07	10.55	11.49	11.26	1.98	7.55	5.05	25.84	
March	2.47	3.20	14.06	13.03	11.29	2.62	3.54	4.55	3.68	8.22	19.99	
April	5.56	4.79	.93	11.20	2.60	3.31	4.13	3.09	3.08	3.41	13.71	
May	3.72	2.45	3.49	4.37	4.35	2.74	4.15	3.96	2.69	2.06	12.86	
June	5.10	5.85	7.84	3.85	2.70	1.70	4.53	3.23	1.89	3.19	12.94	
July	6.16	.51	5.48	1.46	6.02	7.48	2.56	4.80	9.18	1.61	18.15	
August	10.12	4.73	13.48	3.65	6.52	3.30	5.32	15.46	3.56	4.63	28.97	
September ..	.70	4.27	1.51	3.52	2.97	1.44	3.89	4.11	14.15	4.15	26.30	
October ...	7.11	5.17	8.19	7.20	4.30	5.34	17.14	10.49	5.95	3.24	36.82	
November ..	8.48	11.50	5.70	12.20	8.88	4.97	8.60	6.23	5.95	4.21	24.99	
December ...	13.49	15.84	13.31	4.95	13.55	16.30	6.04	2.48	13.44	13.59	35.55	
TOTALS ...	82.98	71.13	88.60	79.38	80.77	69.88	81.60	63.56	78.61	68.69	286.20	JBP

+ Inspected

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

RAINFALL at ~~Cardiff N.W. (Cardiff R.)~~ 162County of BreconObserver G. H. Brashley Esq., C.E.River Basin Taff 4(1926) H. J. Peters Esq.Culmowdon Rain Gauge, by Sopella
B.R.O. 3644

Diameter ...	5											
Height	1.0											
Altitude ...	1120											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920-30 MEANS.	1920-30 TOTALS.
January ...	11.92	11.86	7.07	5.39	7.75	9.16	11.30	8.94	15.93	3.00	13.54	105.86
February ...	5.15	18.10	2.28	15.93	6.65	12.80	7.41	6.64	9.94	1.80	.66	71.94
March	8.48	8.47	7.21	2.46	3.23	1.68	2.17	7.76	6.34	1.57	4.48	53.85
April.....	11.40	1.55	4.99	5.22	6.48	6.08	3.90	2.79	2.34	1.01	5.11	50.87
May	6.47	2.75	2.15	4.33	5.43	9.23	4.30	3.69	.87	6.20	3.08	48.50
June	7.28	.56	2.30	1.90	4.37	.00	3.76	6.58	6.98	4.94	3.46	42.13
July	9.43	4.24	8.31	4.80	6.98	8.62	4.37	7.54	4.87	5.76	7.67	67.59
August	8.50	7.62	5.44	5.71	8.87	6.28	8.04	12.31	7.21	5.75	7.89	78.62
September...	5.95	4.34	5.25	5.60	10.43	5.15	3.52	9.79	2.28	2.87	8.35	63.03
October.....	6.77	2.50	1.76	12.03	9.37	10.01	6.44	8.96	15.12	10.15	9.80	92.91
November...	3.79	4.79	3.43	6.05	5.55	3.99	14.73	7.76	13.95	18.19	9.56	91.79
December...	10.43	7.40	9.89	6.47	11.67	7.14	.86	4.69	7.59	18.93	7.64	92.71
TOTALS...	90.57	82.26	68.08	75.89	80.78	75.64	70.80	87.45	93.42	79.67	81.24	859.80
	0	0	0	0	0	0	0	0	0	0	0	BP

Inspected 22. 09. 1924. On projection into reservoir above dam.

reservoir
old x
new x
dam
Toes to SW will subtend angle of less than 40° in new position (they are practically full grown & at a considerable distance).

1929 values confirmed by Engineer (File 660558/36, Enc 59A)

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

RAINFALL at

Cardiff W.W. (Bantock Reservoir) No. 2. M.W.R.

County of GlamorganObserver N.J. Peters, C.E.River Basin 4 - Staff.H.W.D. Cottenham, Eng., C.E. (1938)

Type of Gauge

S.W. Cover Esq., C.E. (1939)Annual Average 69.67 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 373660558/26

Diameter	5	0 5										
Height	1.0	1.0										
Altitude	1120	1080										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		1934-40 Means- Tables
January	6.54	13.13	7.82	11.34	2.68	8.59	12.13	12.58	12.43	3.76	9.050	
February	6.80	.17	7.56	.76	8.66	3.29	10.54	3.61	7.83	6.75	55.97	
March	1.02	4.09	6.41	5.15	2.22	4.42	4.88	1.44	3.15	7.02	39.80	
April	5.09	6.34	2.47	5.27	8.86	4.13	5.82	.39	4.96	5.25	48.57	
May	5.93	7.87	1.96	5.07	2.16	1.94	2.51	4.94	1.14	1.05	35.47	
June	6.97	2.29	3.38	2.14	7.90	5.13	3.58	5.36	5.42	1.18	43.35	
July	6.66	6.96	5.41	2.30	1.42	10.70	4.41	5.69	14.69	4.75	62.99	
August	6.30	2.90	1.64	5.92	2.71	1.72	1.56	5.87	4.95	.93	34.50	
September	3.84	7.19	2.58	5.67	8.90	5.27	3.29	2.56	1.08	4.88	44.86	
October	2.48	12.76	10.56	7.99	9.18	5.37	4.29	12.40	5.73	8.71	79.47	
November	14.84	5.75	2.00	1.27	9.82	7.77	3.32	11.37	11.88	15.82	89.84	
December	4.50	4.54	2.62	17.30	6.15	10.79	5.19	7.28	4.99	5.40	68.95	
TOTALS	70.47	73.99	53.91	73.18	70.65	69.32	61.52	73.59	81.25	66.49	69427	BP

Proposedly 17/7/35. Site very reasonably satisfactory, rather exposed to NNE winds.

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

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

Station No. T.F. 4155

RAINFALL at Cardiff W.W. (Cardiff Reservoir) M.W.R.

41

County of Brecon

Observer J. W. COOPER Esq., C.E.

River Basin H-Taff

Type of Gauge Standard.

Annual Average 12.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915. Ref. P.B. 373

File No. 166055826

Diameter	5			488	988						
Height	1	0				1					
Altitude	1080					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means
January	5.50	7.46	12.10	10.23	5.73	10.49	6.51	17.54	3.63	3.10	82.29
February	7.96	.98	5.65	2.57	11.03	8.86	2.18	5.10	3.94	12.87	61.14
March	5.96	5.94	1.62	.57	4.18	2.69	11.71	5.01	3.30	4.70	45.68
April	1.96	3.21	2.78	4.46	4.98	2.13	6.07	4.44	7.88	6.33	43.44
May	4.13	8.29	6.25	3.98	5.96	4.19	3.07	4.66	5.93	2.96	49.42
June	1.98	.23	7.74	4.90	6.79	10.45	4.40	8.36	1.05	11.79	50.69
July	4.32	6.06	5.27	5.17	4.67	4.07	4.62	2.77	9.19	7.14	46.28
August	8.97	7.23	7.10	4.58	4.85	10.62	.69	8.13	4.49	10.11	66.70
September	1.40	6.06	6.58	7.54	6.81	11.99	4.33	8.42	3.38	11.20	67.71
October	11.47	7.47	6.52	10.34	8.68	1.27	1.62	5.78	10.93	11.52	68.60
November	5.18	1.33	6.47	12.74	1.05	14.38	9.83	4.47	8.22	9.25	72.92
December	6.89	11.37	3.76	6.29	10.60	7.75	8.09	13.41	10.50	4.24	82.90
TOTALS	6572	6563	71.84	73.37	75.33	88.89	63.12	88.09	64.57	81.21	737.77

1949. Inspected 2/16 Mr. G. Evans. Site of new sta. on level plot 80 yds. W. of dam, 12-15 yds above water level. Ground past of stone chippings. Ridge of hills slope 15°-20° m.s.e. Common to plant with trees which will later give shelter. Recorded site climate then to set up by hydrograph has no check & possible replacement due to rain-gauge to be left here in any case.

656.56 b

* Place in W.R. end of 1951 & Slwynnon becomes M.W.R.

Anemograph gauge established.

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

Station No. 1155 TF56

RAINFALL at Cardiff NW (Central Reservoir) ~~E.D.~~ 51

County of Brecknockshire

Observer P. W. Loney Esq. C.E.

River Basin 4-Taff

Cardiff Corporation

Type of Gauge Snowdon

Annual Average 69.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 373
 1916-1950 File No. 660558/2b P
 73.66 - - - - 1916-1950

Diameter ...	5"				488	988					
Height ...	1' 0"						1				
Altitude ...	1080'	1120'					31				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	9.93	8.08	2.53	4.21	5.34	9.68	10.78	8.33	9.06	10.25	
February	7.56	1.84	3.77	7.22	3.08	9.90	8.17	11.84	0.87	8.85	
March	7.69	6.09	6.95	5.74	4.35	4.16	9.46	2.20	7.36	3.40	
April	6.95	5.11	4.61	2.36	4.18	1.87	.62	2.16	7.67	6.60	
May	3.50	5.79	4.29	4.48	6.96	2.55	3.53	7.07	1.80	2.13	
June	2.17	5.06	2.27	6.74	8.17	4.38	1.41	4.52	3.27	4.02	
July	1.99	3.05	9.98	7.04	1.63	7.12	7.32	5.96	8.20	9.17	
August	10.09	9.44	6.02	8.41	1.95	8.12	5.79	7.22	1.64	5.74	
September	6.74	4.29	7.30	10.20	3.79	7.25	11.87	11.83	0.58	6.36	
October	1.92	6.40	4.34	16.76	4.08	3.53	7.90	8.49	8.32	9.56	8.32
November	12.98	5.05	7.51	13.95	5.61	2.68	3.95	4.19	10.43	17.83	
December	9.01	7.86	2.21	8.48	11.30	8.97	8.66	7.40	17.73	11.04	
TOTALS ...	80.83	68.06	61.78	95.59	60.44	61.21	79.46	81.21	76.93	94.95	759.96
	D	D	D	D	D	D	D	D	D	D	

Ceased as M.W.R. after XII/51.

Imp. L. Jacobs 12/14. 5.52. Rain gauge at $\frac{1}{2}$ in. Read at 1 ft 16.6.52. Unfaded to stand after previous inspection.
 Inspected May 1956 m. Deeks. (range sound. Site off SW of NE, SE. 0% effect small but likely to increase as trees grow to SW)

9/13

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 22/2985155

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		1910-12 -	D	D	D	
		1913-17 D				
		1918 -				
		1919 D				