

RAINFALL AT *Cardiff Water Works & Pwllstien Res*

Lat.

Lon.

County of *Glamorgan*

Rain Gauge, by

Observer *J. A. B. Williams Esq**C.B.**Rhymney - 7.*

Diameter										5	
Height										1.0	
Altitude								155			
Year.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									1.74	1.71	
February . . . .									.40	2.00	
March									4.80	3.68	
April									1.41	3.34	
May									1.89	3.10	
June									3.65	.68	
July									7.77	3.78	
August									4.37	4.20	
September									1.10	2.39	
October								2.39	1.74	2.95	
November								3.21	7.03	1.64	
December								2.40	4.56	2.15	
TOTALS									40.46	31.62	

RAINFALL AT

Cardiff Llanishen Res

Lat. _____

Lon. _____

County of _____

Glamorgan

Rain Gauge, by _____

Observer _____

J. A. B. Williams Esq. C.E.
C. H. Gristley Esq. C.E.

Rhymney - 7.

Diameter	5										
Height	1 0										
Altitude	155										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.16	3.17	2.17	1.93	3.38	4.32	1.12	2.02	1.79	6.64	2.170
February ....	.58	.02	1.95	6.16	4.37	.12	.77	4.49	1.94	3.94	2.434
March	1.58	1.42	1.03	.31	3.95	4.30	4.37	4.25	1.27	1.48	2.396
April	1.41	1.95	1.11	.15	2.07	2.47	1.03	4.06	1.75	4.32	2.032
May	2.15	4.78	1.37	2.23	2.31	.45	.27	1.18	3.05	2.40	2.019
June	2.40	3.18	1.74	.66	2.37	1.12	3.16	3.23	2.19	1.67	2.172
July	3.21	2.45	3.23	3.55	4.65	4.53	1.33	1.62	1.27	.38	2.622
August	3.78	8.04	4.57	2.91	4.89	3.95	2.29	6.94	3.90	1.85	4.212
September....	1.30	2.41	3.81	1.96	1.89	1.27	8.82	5.60	2.40	2.66	3.212
October	1.82	8.41	2.73	7.05	5.77	4.34	4.51	1.67	6.86	3.59	4.675
November	3.40	3.47	3.28	2.21	5.24	5.31	1.14	3.48	5.55	3.30	3.638
December	1.25	6.94	2.32	4.70	4.01	4.29	6.75	6.24	5.09	3.11	4.470
TOTALS	28.04	46.24	29.31	33.82	44.90	36.47	35.56	44.78	37.06	35.34	37.152

RAINFALL AT *Cardiff Llanishan Reservoir*

Lat.

Lon.

County of *Glamorgan*

Rain Gauge, by

Observer *C. H. Priestley Esq. C.E.**Rhymney - 7.*

Diameter ..	5										
Height	10										
Altitude ..	155										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.61	2.14	1.88	5.21	5.23	1.07	7.76	2.60	2.71	1.60	3.581
February ..	6.45	.92	1.60	1.81	5.50	1.01	4.02	1.61	1.94	.56	2.542
March ....	.95	1.96	2.50	4.99	2.59	5.53	2.79	2.19	3.12	4.37	3.099
April	1.41	4.43	2.32	2.14	1.96	2.95	1.51	4.42	2.70	2.58	2.642
May	1.91	.98	1.91	5.13	2.99	.14	4.14	3.27	2.03	1.84	2.434
June	1.67	3.11	2.54	2.37	1.27	4.15	2.43	4.16	.51	1.73	2.394
July	1.29	2.77	1.83	4.19	4.33	1.11	.72	2.73	3.04	2.47	2.448
August	4.30	4.13	5.64	5.61	3.33	4.32	2.92	4.01	5.71	2.80	4.277
September ..	1.28	3.28	2.77	3.86	3.47	1.68	.91	.95	3.50	4.11	2.581
October	5.45	2.20	3.51	11.05	2.42	2.21	7.52	6.93	3.24	7.49	5.302
November ..	4.70	1.23	4.83	2.24	2.76	4.00	3.49	2.91	1.46	1.78	2.940
December ..	6.50	6.73	4.00	3.82	3.23	2.00	2.42	6.79	3.91	8.00	4.740
TOTALS ..	41.52	33.88	35.33	52.42	39.08	20.17	40.63	42.57	33.87	39.33	38.880

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RAINFALL at Cardiff Llanishan ReservoirCounty of GlamorganObserver C. H. Christley Esq. C.E.River Basin Rhymney

Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	155											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919	Means. Totals
January ...	4.23	1.39	5.02	7.31	2.16	3.88	3.17	1.37	4.38	5.40	14.32	
February ...	5.14	4.30	3.00	1.61	3.83	4.69	5.34	1.56	2.76	4.33	14.19	
March	1.08	2.13	6.13	5.69	5.60	1.40	3.38	3.20	2.49	5.46	14.53	
April	3.19	3.09	.29	5.26	2.78	1.22	1.64	1.66	2.01	1.93	7.24	
May	2.53	1.37	1.79	2.89	2.14	2.55	4.09	3.44	1.37	.74	9.64	
June	4.24	2.20	6.38	1.76	2.86	1.12	4.09	2.45	1.62	1.19	9.38	
July	2.82	.14	3.51	.46	6.20	4.19	2.49	2.79	5.24	1.91	12.43	
August	5.53	2.46	9.25	1.01	3.25	2.17	3.04	7.51	3.24	2.46	10.58	
September ..	.19	2.37	.86	3.30	2.70	1.18	2.05	2.60	9.98	1.67	16.30	
October ...	4.30	3.49	4.70	5.10	2.38	4.60	8.35	6.35	2.56	2.50	19.76	
November ...	6.34	5.40	2.70	5.18	4.85	2.40	3.12	2.06	3.24	3.23	11.65	
December ...	5.47	8.16	7.31	1.83	7.49	8.39	3.91	1.06	6.67	7.54	19.18	
TOTALS ...	45.06	36.50	50.94	41.40	46.24	37.79	44.70	36.35	45.56	38.56	165.20	

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

RAINFALL at Llanishan Reservoir

County of Glasgow

Observer C. H. Prioleau Esq. C. E.

River Basin 7 Rhymney.

(1926) H. J. Peters Esq.

41-24 { Cu Snowdon Rain Gauge, by Canella 7699
 correct { good condition
 banten glass 4496/1922

correct } good condition

-banten glass 4496(1922)

Eng. Cardiff WW

Diameter ...	5											
Height	1.0		10	1	0							
Altitude ...	155											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	1920-30 Totals
January ...	5.84	4.62	4.00	2.41	5.19	4.18	6.65	4.57	8.71	1.86	6.28	54.21
February ...	1.58	.03	4.61	8.76	.61	5.47	3.27	3.73	4.40	1.26	.67	34.59
March	2.89	2.79	3.59	1.61	1.87	.54	.49	3.58	4.37	.56	2.59	25.87
April	4.71	.62	3.00	2.94	3.19	2.83	2.16	1.73	1.52	.34	3.36	26.40
May	2.90	1.96	1.35	2.91	4.74	4.57	2.17	1.45	1.07	2.91	1.54	28.57
June	2.80	.02	1.13	.89	2.61	.02	1.69	3.67	2.66	2.81	.75	19.05
July	5.05	1.14	4.46	2.03	5.58	4.43	1.97	4.32	2.37	2.22	2.85	36.72
August	2.04	2.83	3.70	4.09	5.97	5.41	4.11	5.21	3.65	3.32	5.47	45.8
September...	2.73	3.20	3.31	3.46	6.90	5.66	1.32	7.12	.65	.43	4.62	39.40
October.....	2.45	1.96	1.43	6.76	5.70	6.03	3.76	3.38	6.86	5.61	5.10	50.04
November...	2.33	3.25	1.87	3.65	3.68	2.49	8.42	5.86	4.67	10.04	4.72	50.98
December...	4.89	2.60	6.38	4.16	6.55	3.49	.24	3.12	4.49	7.86	4.54	48.32
TOTALS	413.2	25.01	38.83	43.67	52.59	45.12	36.45	47.74	45.42	39.22	42.49	459.74

Inspected 9/5. 17.11.24 S. on fairly flat reservoir bank and somewhat overexposed. Recommended moving a little nearer house to get some shelter from ledge. New location 17 yds from ledge and 1 yd from fall. The evaporation handle is alongside gauge in present position ~~the house is in a~~ ^{the house is in a} ~~position~~ ^{position}. I think it would be quite safe to take handle readings with gauge in the new position.

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

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
2			Harrogate	5 m.	E.	Harrogate	100 yds	N.E.

RAINFALL at Henriksen Bawoir.County of GlamorganObserver N.J. Pegg, B.E.River Basin 7- RhymneyH.W.B. Cottrell Esq. C.E. (1938)

Type of Gauge

G.V. Cover Esq. C.E. (1939)Annual Average 22.4 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. S.

660 558/26

Diameter	5.											
Height	1.0.											
Altitude	155.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.93	5.65	2.61	3.65	.45	4.40	4.87	5.73	6.84	3.48	41.11	
February	3.02	.02	4.46	.60	4.18	1.91	6.20	1.67	2.93	3.73	28.72	
March	1.06	2.09	3.87	2.15	1.14	3.66	3.65	.56	1.80	3.11	23.09	
April	3.04	4.31	1.79	2.75	5.63	3.24	3.63	.15	3.60	2.96	31.10	
May	8.26	4.60	2.64	1.62	.56	1.71	2.37	3.16	0.96	2.10	27.98	
June	3.19	1.67	1.70	1.54	5.66	4.39	1.26	2.03	1.43	.69	23.56	
July	4.02	4.68	2.30	1.23	.42	8.36	3.45	3.90	6.25	5.26	39.87	
August	4.07	1.73	1.10	3.46	2.13	1.17	.37	3.62	3.38	.12	21.15	
September	1.50	5.35	1.60	3.32	7.50	3.22	1.89	1.84	0.91	1.31	28.44	
October	1.00	6.63	4.44	3.13	5.90	1.62	4.03	7.59	3.60	5.61	43.55	
November	6.37	1.93	0.75	1.41	6.15	4.32	2.58	5.60	8.94	8.33	46.38	
December	2.57	2.41	2.38	10.76	2.97	4.15	2.49	4.92	2.53	2.73	58.91	
TOTALS	41.03	41.07	29.64	25.62	44.19	42.15	36.79	40.77	43.17	39.43	393.86	✓BP

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	Parish Church.	Distance from gauge	Direction

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

Station No. TF 4093

RAINFALL at Flanishen Reservoir

41

County of GlamorganObserver G. W. Cowes, Esq., C.E.River Basin 7-Rhymney

Type of Gauge

Annual Average 29.4 in. based on 31 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 660558/26

Diameter	5				488	800						
Height	1	0				1						
Altitude	155					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	1941-50
January	4.34	5.68	8.18	4.77	4.73	4.79	3.42	9.49	1.39	1.42	48.21	
February	3.76	3.2	2.09	1.18	5.59	3.58	1.67	2.41	2.30	7.17	30.07	
March	2.92	2.80	1.22	.49	1.58	1.35	7.45	1.97	2.11	1.99	23.88	
April	1.60	1.90	1.44	3.20	1.72	2.09	3.25	2.97	2.78	3.21	24.16	
May	1.94	5.01	3.83	2.86	3.68	4.55	2.56	3.68	3.46	2.46	34.63	
June	1.53	.17	3.45	3.22	4.58	5.29	2.45	3.73	.72	1.64	26.78	
July	2.91	2.55	2.90	2.93	2.74	2.05	3.18	2.83	1.66	5.87	30.62	
August	7.11	4.69	4.68	3.40	3.55	7.98	1.06	5.30	2.47	8.80	49.04	
September	1.14	4.32	4.82	4.57	2.57	6.26	2.55	3.87	3.41	6.44	39.95	
October	2.30	3.60	2.83	5.98	4.96	1.18	1.19	5.92	8.22	2.00	38.18	
November	2.42	.79	2.87	8.22	.92	6.81	5.09	2.48	4.12	6.44	40.16	
December	3.76	5.05	2.96	2.79	6.70	4.60	4.47	5.26	4.11	2.60	42.30	
TOTALS	35.73 D	36.88 D	41.27 D	43.61 D	43.32 D	50.53 D	38.34 D	50.91 D	36.75 D	50.04 D	427.38	X 39

Record still not satisfactory with new site (1948-50 survey note).
 1945 seems to have improved

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.

Air Ministry, Meteorological Office

Station No. T.F. 4093

RAINFALL at Llanishen Res.

County of Glamorgan

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

River Basin 7- Rhymney

Type of Gauge _____

Annual Average 39.4 in. based on 36 years obs. ☒ un-weighted. Period of average 1881-1915 Ref. S

" " 41.36 " " 40 " " " within 1916-50 " (1916-50) S

File No. 660558/26

Diameter ...	<u>5"</u>				<u>488</u>	<u>800</u>						
Height ...	<u>1'-0"</u>					<u>1</u>						
Altitude ...	<u>155'</u>					<u>51</u>						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	<u>5.50</u>	<u>4.12</u>	<u>1.12</u>	<u>3.11</u>	<u>3.67</u>	<u>4.88</u>	<u>5.31</u>	<u>4.36</u>	<u>5.02</u>	<u>4.74</u>	<u>41.83</u>	
February ...	<u>4.17</u>	<u>1.03</u>	<u>2.05</u>	<u>4.68</u>	<u>2.22</u>	<u>0.31</u>	<u>5.28</u>	<u>5.73</u>	<u>4.72</u>	<u>3.55</u>	<u>29.64</u>	
March ...	<u>4.18</u>	<u>2.86</u>	<u>1.64</u>	<u>4.60</u>	<u>1.58</u>	<u>1.41</u>	<u>5.38</u>	<u>1.29</u>	<u>3.41</u>	<u>2.53</u>	<u>28.88</u>	
April ...	<u>3.86</u>	<u>3.27</u>	<u>3.61</u>	<u>0.91</u>	<u>2.06</u>	<u>2.13</u>	<u>0.26</u>	<u>0.88</u>	<u>3.39</u>	<u>3.02</u>	<u>23.39</u>	
May ...	<u>2.61</u>	<u>3.63</u>	<u>3.23</u>	<u>2.14</u>	<u>5.16</u>	<u>0.91</u>	<u>1.95</u>	<u>4.35</u>	<u>1.26</u>	<u>1.58</u>	<u>26.82</u>	
June ...	<u>0.74</u>	<u>2.38</u>	<u>2.26</u>	<u>5.24</u>	<u>4.31</u>	<u>2.36</u>	<u>1.31</u>	<u>3.61</u>	<u>1.80</u>	<u>2.61</u>	<u>26.62</u>	
July ...	<u>1.13</u>	<u>3.24</u>	<u>4.85</u>	<u>4.11</u>	<u>0.30</u>	<u>3.30</u>	<u>5.22</u>	<u>4.59</u>	<u>3.47</u>	<u>7.12</u>	<u>37.33</u>	
August ...	<u>4.74</u>	<u>5.98</u>	<u>5.62</u>	<u>3.92</u>	<u>0.84</u>	<u>4.88</u>	<u>3.56</u>	<u>5.23</u>	<u>2.96</u>	<u>5.37</u>	<u>42.10</u>	
September ...	<u>4.47</u>	<u>4.93</u>	<u>4.75</u>	<u>5.53</u>	<u>1.66</u>	<u>5.80</u>	<u>5.44</u>	<u>7.30</u>	<u>3.36</u>	<u>6.24</u>	<u>46.48</u>	
October ...	<u>2.03</u>	<u>5.65</u>	<u>3.57</u>	<u>6.82</u>	<u>2.10</u>	<u>2.35</u>	<u>4.47</u>	<u>4.33</u>	<u>5.82</u>	<u>9.17</u>	<u>46.33</u>	
November ...	<u>7.80</u>	<u>4.81</u>	<u>3.70</u>	<u>8.74</u>	<u>4.30</u>	<u>1.57</u>	<u>2.82</u>	<u>2.70</u>	<u>5.39</u>	<u>9.56</u>	<u>51.34</u>	
December ...	<u>3.45</u>	<u>3.58</u>	<u>2.01</u>	<u>3.79</u>	<u>6.31</u>	<u>6.13</u>	<u>3.01</u>	<u>5.03</u>	<u>9.51</u>	<u>7.13</u>	<u>49.95</u>	
TOTALS ...	<u>44.68</u>	<u>46.48</u>	<u>38.41</u>	<u>53.59</u>	<u>34.51</u>	<u>36.83</u>	<u>44.03</u>	<u>49.40</u>	<u>42.76</u>	<u>62.62</u>	<u>451.51</u>	

1957 Total fig. 00.91 overexposed all directions (on embankment)

1956 Imp. Mr. Dicks (5/56) O/E all directions. Better site indicated.

5362

Position of Station on Ordnance One-Inch map:

No. of Map _____

National Grid Reference 97311888.5

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

Summary of Earlier Records from 10-year Sheets:

1916-50 P rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>180.12</u>	<u>134.44</u>	<u>134.44</u>	<u>134.44</u>	<u>134.44</u>