

RAINFALL at Rhondda W.W. Llyn Tawr Res.

County of Glamorgan
height - ft.
River Basin Taff

Observer O. Thomas Esq

T. Vevers Esq
Mr J. B. Hughes

Rain Gauge, by

Diameter ...	8												
Height	10												
Altitude ...	1220												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19	MEANS.	TOTALS
January ...	4.63	10.20	14.95	8.69	8.59	12.78	2.81	8.42	11.04	35.05			✓
February ...	10.97	8.64	5.28	15.08	16.35	12.15	2.06	9.58	4.51	28.30			
March	3.81	16.82	15.49	11.95	2.82	3.49	3.63	4.83	10.57	22.32			
April	6.50	.78	17.15	2.77	3.39	5.64	3.22	4.23	4.56	17.35			
May	4.66	2.89	4.99	4.46	3.82	4.60	4.55	2.44	1.99	13.58			
June	6.16	10.37	5.46	1.82	4.16	6.22	2.75	3.04	3.69	15.70			
July79	6.84	.92	8.77	11.12	3.96	5.12	8.50	1.98	19.36			
August	7.29	17.23	3.15	8.18	5.27	8.61	17.13	5.06	6.25	37.05			
September ..	6.06	1.90	3.78	4.66	1.79	5.28	5.24	18.05	5.74	34.31			
October ...	6.08	9.71	9.44	4.41	6.02	21.87	13.25	7.68	2.84	45.64			✓
November ..	14.42	6.63	16.23	11.72	6.55	10.96	6.41	9.10	5.03	31.50			
December ...	22.37	18.45	5.69	17.07	20.81	7.68	2.15	18.94	16.43	45.20			
TOTALS ...	93.74	110.46	102.53	99.58	90.69	103.24	68.32	99.87	73.93	345.36			✓

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

RAINFALL at Rhondda W.W. (Llyn Faen Res.).

County of Glamorgan

Observer Mr. J. G. Hughes,

River Basin ~~Welsh~~ 6

for O. Thomas Esq. (Rhondda Gas & Water Coop.)

Height - 44.

Brit Assoc Rain Gauge, by

Diameter ...	8"											
Height	1.0											
Altitude ..	1220											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.EAN.	1930.
January	15.68	16.21	7.94	7.00	8.49	9.94	13.63	9.27	14.76	3.51	16.29	125.72
February	6.39	15.12	7.4	18.18	7.5	16.11	9.07	7.12	13.01	2.61	1.28	67.41
March	9.56	11.55	9.01	2.66	3.88	1.35	3.09	7.57	7.58	1.78	4.87	62.90
April	12.27	1.64	4.28	6.56	7.45	5.14	4.38	3.47	2.08	.91	5.21	53.39
May	6.33	3.64	2.42	5.13	6.42	9.49	5.08	3.13	.52	6.78	3.70	52.64
June	5.73	7.2	2.98	2.33	4.63	.45	3.43	5.72	6.58	5.23	4.51	42.31
July	11.29	4.44	11.84	6.61	8.02	5.04	4.69	7.24	4.30	5.48	7.23	76.18
August	5.11	10.10	7.47	11.25	12.01	7.76	9.70	14.15	7.46	6.82	10.35	102.18
September	7.88	4.91	7.92	8.61	13.55	6.70	3.67	11.84	2.09	2.71	10.42	79.80
October	8.18	4.37	3.15	15.48	11.23	13.51	8.00	6.91	16.66	12.35	15.09	114.93
November	7.22	5.40	4.93	9.99	6.31	5.46	16.02	7.32	16.41	24.72	12.92	116.70
December	14.05	9.88	13.38	9.10	17.26	8.95	.44	4.87	10.30	21.66	9.29	119.18
TOTALS.	109.69	73.01	88.06	102.90	100.00	89.90	81.20	88.11	104.75	94.56	101.16	1033.34

1926. Mountain 250 ft. high 1/2 mile S.

1930. Read 9 a.m. Winter Summer.

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	Parish Church.	Distance from gauge	Direction
1925.	30° 33'	57° 45'	Nirwau	3 m.	N.E.	Nirwau P.C.	3 m.	N.E.
1930.			Rhigos Halt.	3½ m.	E	Nirwau	3..	..

RAINFALL at Rhondda w.w. Llyn Fawr Res. (new Gauge).

County of Glamorgan

Observer J. B. Hughes

River Basin Heath 4.

Rain Gauge, by.....

Diameter	5
Height	1
Altitude	1220
Year	1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930
January	(6.65)
February	1.28
March	4.96
April	5.54
May	3.98
June	4.82
July	7.44
August	10.46
September	10.55
October	15.26
November	13.00
December	9.41
TOTALS	(03.35) D.

1930. See file 661400/26.

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	Parish Church.	Distance from gauge

RAINFALL at Rhondda w.w. (Llyn Tawr Reservoir) sea.

County of Glamorgan.

Observer J.B. Hughes.

River Basin. 4-hectare.

Type of Gauge. Smawdon.

Annual Average 88.6 in. based on 13 years obs. un-weighted. Period of average 1885-1915. Ref. S

Diameter	8.											
Height	1.0.											
Altitude	1220	1208										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	9.61	18.42	9.95	14.68	2.79	11.89	15.92	16.56	15.28	6.40	121.46	
February	8.99	1.25	10.85	1.00	12.77	4.52	14.77	15.65	10.11	10.14	79.05	
March	1.03	6.21	7.91	7.34	2.17	7.09	5.42	2.07	4.10	8.72	52.06	
April	5.25	7.58	2.94	5.83	9.52	6.22	6.38	.56	7.30	5.57	56.15	
May	6.27	9.47	2.51	5.42	2.05	1.95	3.24	6.73	1.43	2.58	42.25	
June	9.41	3.92	3.59	3.24	9.28	14.86	3.87	7.45	6.82	.69	53.16	
July	11.07	8.78	9.23	1.73	2.21	14.14	3.96	8.48	21.05	8.71	89.36	
August	8.56	1.50	2.69	8.95	3.72	2.62	1.01	7.05	5.76	1.14	43.00	
September	3.26	11.57	3.16	8.69	15.03	6.01	5.23	4.23	2.14	4.50	64.62	
October	3.49	15.09	12.22	10.42	14.65	5.03	4.49	17.06	6.98	13.77	103.20	
November	17.70	8.57	2.18	4.02	13.20	11.54	4.58	16.68	21.90	21.70	122.07	
December	5.85	6.92	3.14	27.52	6.87	13.90	7.22	10.36	6.19	7.91	95.88	
TOTALS	90.49	98.28	70.37	98.82	95.46	88.77	76.10	103.08	109.06	91.83	922.26	

1931 Mountain 250' high. $\frac{1}{2}$ n. E.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	Direction
1931			Rhigos Halt.	3½ m.	E.	Newain	3 m.	N.E.

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

RAINFALL at Rhondda W.W. (Llyn Fawr Reservoir) newg.

County of Glamorgan

Observer J.B. Hughes

River Basin 44-Merthyr

Type of Gauge

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

Diameter	5										Means
Height	1.0										
Altitude	1220										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	9.73	18.52	10.10	14.73	28.8	12.12	16.09	16.71	15.33	6.36	12.25
February	9.38	26	10.97	9.9	12.93	4.66	14.96	5.71	10.20	10.18	20.24
March	1.11	6.29	7.98	7.50	2.22	7.25	5.55	2.12	3.95	8.70	5.26
April	5.47	7.74	3.07	6.08	9.59	5.23	6.46	5.6	7.10	5.51	5.99
May	6.39	9.58	2.54	5.68	2.70	1.99	3.30	6.74	1.44	2.61	6.05
June	9.63	3.95	3.61	3.38	9.44	4.93	3.93	7.45	6.90	.68	5.39
July	11.21	8.89	9.22	1.82	2.25	14.25	4.06	8.56	21.06	8.78	9.02
August	8.61	1.54	2.67	9.18	3.78	2.70	1.03	7.23	5.79	1.15	4.36
September	3.26	11.66	3.18	8.83	15.80	6.10	5.34	4.45	2.15	4.53	6.36
October	3.55	15.19	12.06	10.50	14.85	5.12	4.65	17.31	7.00	13.70	10.83
November	17.60	8.73	2.28	4.02	13.37	11.68	4.64	16.76	21.92	21.56	12.58
December	5.84	7.04	3.28	28.34	7.02	14.06	7.31	10.37	6.24	7.90	9.74
TOTALS	91.78	99.39	70.96	101.05	96.91	90.29	77.22	103.97	109.16	91.66	93.29

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. H0148

RAINFALL at Rhondda W.W. (Llyn Fawr Reservoir) Aug. 41

County of Glamorgan

Observer J.B. Aughey Esq.

Sect 1

River Basin H-Neath

Aug. 1948

Type of Gauge Standard

Aug. 1948

Annual Average 28.1 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. Shire 1 = 661400/ab

Diameter	8				495	040						
Height	1	0					1					
Altitude	1220	X					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means	Total
January	7.11	10.56	17.04	12.33	8.93	15.70	9.66	22.36	5.08	4.40	113.17	
February	10.50	1.26	8.31	2.92	15.06	11.20	2.27	6.73	5.52	16.53	80.30	
March	6.61	7.79	2.59	.91	6.05	3.77	17.47	7.13	3.78	7.54	63.64	
April	3.00	5.43	3.62	6.66	5.42	3.04	9.03	4.81	8.34	6.95	56.30	
May	6.74	13.40	10.48	4.38	6.66	4.83	3.73	5.48	7.56	2.54	65.80	
June	2.15	5.58	9.24	6.60	9.05	10.47	4.37	10.69	1.36	4.72	59.23	
July	4.84	8.18	7.86	6.41	6.19	5.80	6.70	4.37	2.81	10.66	63.82	
August	11.60	11.47	10.98	6.01	6.07	15.09	1.02	12.31	5.43	15.86	95.84	
September	7.73	8.12	10.10	10.03	8.03	16.47	4.90	11.14	3.87	17.13	90.52	
October	8.99	11.05	7.75	14.14	10.14	2.31	2.77	8.38	14.74	5.86	86.13	
November	7.00	1.69	5.84	18.00	1.77	21.25	13.80	6.28	10.80	12.57	99.00	
December	10.46	15.43	5.40	9.86	13.08	11.36	10.00	17.11	12.75	5.38	110.83	
TOTALS	79.73	94.96	99.21	982.5	96.45	121.29	85.72	116.79	82.04	110.14	984.58	X
	D	D	D	D	D	D	D	D	D	D	D	

Not printed in B.R. 1940-1945 (New gauge, 4069, printed)

Both old and new printed in 1946 but only new in 54).

1948 n.p. check. } new gauge readings printed.

1949 n.p. check. }

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.

Station No. T.F. 4049

RAINFALL at Rhondda W.W. (Llyn Fawr Reservoir) New Gauge 41

County of Glamorgan

Observer J. B. Hughes Esq. S.A.R. 1949

River Basin H. Heath

~~St. John's~~ (1941)

Type of Gauge

Annual Average 88.6 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 8111-150127 661400/26

Diameter	5"			495	039						
Height	1'. 0"				1						
Altitude	1220'				44					X	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	7.23	10.68	17.14	12.41	8.99	15.64	9.53	22.23	5.06	4.38	118.29
February	10.64	12.8	8.36	2.94	15.15	11.21	2.24	6.66	5.47	16.61	80.56
March	6.66	7.87	2.60	.92	6.06	3.77	17.25	7.11	3.74	7.42	68.40
April	2.96	5.31	3.65	6.62	5.43	3.04	9.02	4.78	8.21	6.82	35.90
May	6.73	13.43	10.56	4.34	6.69	4.83	3.72	5.43	7.54	2.49	63.76
June	2.18	.58	9.29	6.57	9.08	10.56	4.36	10.61	1.32	4.62	59.17
July	4.88	8.20	7.90	6.42	6.17	5.76	6.62	4.31	2.82	10.55	62.62
August	11.66	11.52	11.06	6.04	6.07	16.15	1.02	12.60	5.49	15.86	97.47
September	7.0	8.10	10.21	10.06	8.08	16.66	5.02	11.25	3.88	16.98	90.94
October	9.05	11.07	7.83	14.23	10.12	2.33	2.76	8.34	14.54	5.87	86.14
November	7.05	1.70	5.88	18.10	1.77	21.24	13.68	6.24	10.71	12.38	98.75
December	10.55	15.72	5.44	9.93	13.11	11.49	9.97	17.04	12.55	5.34	111.14
TOTALS	80.29	95.52	99.92	98.58	96.72	122.68	85.19	116.60	81.33	109.32	986.15

Average adopted from old gauge, 1908, for use in P.D. 1940-1945

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

Air Ministry, Meteorological Office

Station No. 4048 T.F. 65

RAINFALL at Rhondda W.W. (Llyn Llawn Res) 1st gauge

County of Glamorgan

Observer J. B. Hughes

River Basin 14 - Neath

Type of Gauge Standard.

Annual Average 88.6 in. based on 13 years obs. un-weighted. Period of average 1881 - 1915 Ref. S
 " " 93.87 " 35 " " 1916-50 " " File No. 661400/26 P

Diameter ...	8"			495	040						
Height ...	1'-0"					1					
Altitude ...	1220'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	13.89	10.89	3.14	6.59	8.41	13.21	17.47	10.16	11.19	12.21	10716 ✓
February ...	10.19	2.56	5.03	11.65	3.89	1.02	10.42	11.25	.75	12.19	6565 ✓
March ...	9.88	8.83	8.87	8.31	6.64	3.14	13.46	2.22	9.49	4.92	7076 ✓
April ...	8.65	6.79	6.38	3.15	6.94	2.44	0.87	2.58	8.45	8.17	5432 ✓
May ...	14.26	5.12	6.29	6.52	8.75	3.60	4.60	7.74	2.27	2.99	5214 ✓
June ...	3.56	6.50	5.45	10.50	11.45	5.47	2.06	6.49	4.40	5.72	6060 ✓
July ...	2.57	3.70	12.65	9.52	3.97	8.80	9.04	9.70	8.28	12.33	8056 ✓
August ...	13.10	11.61	8.99	9.54	2.36	11.04	1.15	8.17	2.63	9.52	8411 ✓
September ...	9.85	3.78	10.35	13.35	6.08	10.63	15.11	14.25	.70	8.45	9055 ✓
October ...	2.07	9.06	6.68	23.56	6.51	3.73	12.02	12.45	11.28	12.25	6061 ✓
November ...	18.39	6.67	12.04	19.81	9.08	3.30	3.76	4.87	15.53	24.50	11745 ✓
December ...	13.60	7.10	3.63	11.86	16.02	12.86	10.93	9.64	23.14	13.25	2203 ✓
TOTALS ...	(10.0)	(81.61)	(88.50)	(134.36)	87.00	(81.24)	(66.89)	100.22	98.11	126.50	101600
	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	D.P.D.	

1951 - n.p. check

1952 --- ---

1953 --- ---

1956 --- ---

1957 --- ---

1958 --- ---

No July

X

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference 5N/22/918033

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

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
	C1911	✓	✓	✓	J but + blank

Air Ministry, Meteorological Office

Station No. 4049 T.F. 55

RAINFALL at Rhondda W.W. (Llyn Llawn Res.) new gauge
 County of Glamorgan. Observer J. B. Hughes Esq.
 River Basin 4 - North.

Type of Gauge _____

Annual Average 88.6 in. based on 13 years obs. un-weighted. Period of average 1881 - 1915 Ref. S
 " 96.00 " " 26" " within 1930-56 " 1916 - 50 File No. 661400/26

Diameter ...	5"		495	0.39							
Height ...	1.0"				1						
Altitude ...	1220'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	13.89	10.85	3.10	6.42	8.56	13.26	17.56	10.15	11.06	12.17	107.02
February ...	10.11	2.56	4.95	11.51	3.86	1.02	10.50	12.02	.75	12.28	6.956
March ...	9.81	8.81	1.79	8.15	5.75	5.18	13.54	2.21	7.55	6.93	75.72
April ...	8.56	6.72	6.23	3.07	6.95	2.48	0.87	2.57	8.55	7.74	58.72
May ...	4.24	5.13	6.21	6.52	8.90	3.67	4.67	7.68	2.35	3.03	52.40
June ...	3.53	5.50	5.49	10.30	11.53	5.62	2.06	6.97	4.44	5.74	60.77
July ...	2.55	3.70	12.42	9.44	4.01	8.86	9.14	9.57	8.35	12.51	80.55
August ...	13.05	11.61	8.85	9.55	2.37	11.12	7.21	8.28	2.58	9.45	84.07
September ...	9.71	3.78	10.12	13.75	4.14	10.70	15.16	14.29	.69	8.52	90.80
October ...	2.05	8.72	6.55	23.90	6.52	3.77	12.10	12.55	11.47	12.31	59.94
November ...	18.18	6.46	11.88	19.97	9.15	3.33	3.76	4.93	15.50	24.74	117.88
December ...	13.48	6.96	3.57	12.14	16.03	13.04	11.10	9.77	23.28	13.20	122.57
TOTALS ...	109.16	80.80	87.16	34.81	87.73	82.05	107.67	100.99	98.57	126.67	1015.06

* average adopted from old gauge, 4048, for use in B.R.

No Susp

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference SN122/918033

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	1920-30	1931-40	1941-50	1951-60
	C1930	✓	✓	✓	