

## RAINFALL at Tredegar Laboratory.

County of Monmouth. Observer W. Morgan, Esq.  
River Basin Ebbw. 2.

Copper Tunnel Rain Gauge, by Howard.

Diameter ...				5							
Height .....				1 3							
Altitude ...							2 0				
				950							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			7.67	9.22	3.29	5.47	14.52		6.14	8.47	
February ...			5.34	3.60	10.09	10.70	8.85		5.31	6.59	
March .....			11.04	10.33	10.07	1.36	3.66		3.50	7.53	
April .....			6.63	9.03	2.94	1.93	2.64		3.23	2.98	
May .....			1.98	4.22	3.26	3.40	4.67		2.19	.90	
June.....			7.07	2.33	2.94	1.56	2.90		2.03	2.01	
July .....			6.74	.91	7.43	5.59	2.08		5.80	2.65	
August.....			11.64	2.15	4.52	3.21	6.76		2.85	4.23	
September ..			1.25	3.73	2.72	1.07	2.61		13.90	2.68	
October ...			7.06	7.75	4.23	6.31	13.36		4.21	2.75	
November..			3.90	7.68	7.99	3.83	6.44		5.90	4.62	
December...			9.75	2.85	11.83	14.57	4.29		10.61	11.72	
TOTALS ...			74.07	63.80	71.31	58.99	62.78 (50.00)		65.67	53.11	
											d

House 35 ft. high 60 ft. N.

1919 Bldg. 15° 90° N.

1913 + 1913 recd 31.V.15,  
entered 15.X.15.

interpolated Newgate Well 1919

23.2  
4 27.66

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	51° 47'	3° 14'	Tredegar			St. James.		
1919			LNWR	2 miles	E		3 miles	E

## RAINFALL at Tredegar laboratory.

County of Monmouthshire

Observer W Morgan Esq.

(Chemist)

River Basin Ebbw 2

for Tredegar Coal &amp; Iron Co.

Opposite Rain Gauge, by Howard

Diameter ...	5											
Height .....	1	3	2	0	4							
Altitude ...	950											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	AVERAGE 1930.	
January ...	9.62	7.32	6.51	3.93	7.55	6.37	7.76	7.86	10.62	2.34	12.65	
February ...	3.45	2.20	7.23	13.08	5.52	9.80	4.65	5.18	5.89	1.44	.81	
March .....	7.49	6.86	6.11	2.51	2.61	.92	1.27	6.03	6.34	.75	4.08	
April.....	10.88	1.14	4.15	3.73	4.68	4.44	2.81	2.01	2.24	.85	5.62	
May .....	4.03	2.05	1.01	2.99	4.80	4.69	2.88	1.72	0.74	4.71	1.94	
June .....	4.61	.94	1.35	.70	2.11	.00	2.65	5.62	3.78	3.95	1.21	
July .....	6.97	1.70	5.76	2.64	6.12	2.44	3.57	4.69	2.00	4.80	4.71	
August .....	2.34	5.15	3.28	3.59	5.12	6.73	4.82	7.56	4.41	3.12	4.28	
September...	3.80	2.74	3.18	4.46	6.89	4.22	1.98	7.59	2.09	1.56	6.97	
October.....	6.33	2.44	1.69	8.64	5.67	6.68	5.13	5.25	11.71	9.51	8.91	
November...	3.05	4.63	2.40	3.70	4.24	2.67	14.06	5.49	9.96	16.96	9.06	
December...	7.94	4.45	8.82	5.11	7.65	5.54	6.6	4.06	5.31	16.62	7.19	
TOTALS...	70.66	39.65	57.69	55.08	57.96	54.50	52.18	63.06	65.09	66.61	68.43	

Stone 25 ft. high 60 ft. N.

1930. Building 13 ft. high, 15 ft. N.  
4. read 9 a.m.

509.67

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.			
Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	51° 47'	3° 14'	Tredegar	500 ft.	S.E.	St James	500 yds.	E.
1930.				60 yds.	E.	"	4 mds.	E.

## RAINFALL at Tredgar Laboratory

County of Monmouthshire

Observer Mr. Hartigan

River Basin Colliery - E

Tredgar Iron &amp; Coal Co. Ltd (1932)

Type of Gauge Standard

Annual Average 59.8 in. based on 25 years obs. un-weighted. Period of average 1921-1935 Ref. P. N. 879033/28

Diameter	5											
Height	2.0											
Altitude	950											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.55	11.76	5.91	8.00	1.70	9.14	11.22	8.53	10.98	3.60	7639	
February	4.79	2.20	6.20	7.73	7.58	3.74	8.58	2.39	5.25	4.91	4437	
March	1.00	4.27	5.43	4.62	1.85	5.43	4.60	1.78	2.82	4.38	3518	
April	4.84	6.82	1.72	4.01	7.41	3.65	4.18	1.38	4.89	5.24	4284	
May	5.75	6.83	2.67	2.81	1.30	1.69	2.20	5.02	1.10	2.02	3139	
June	4.94	3.08	3.67	1.63	1.82	3.89	1.58	3.58	3.53	1.31	3383	
July	4.64	4.85	4.49	3.04	1.86	9.48	3.06	4.82	13.24	5.47	5394	
August	6.62	1.65	1.18	5.53	2.18	1.79	1.04	3.52	3.00	1.50	2601	
September	1.95	6.83	2.95	3.69	8.60	4.66	2.35	2.69	0.99	2.94	3705	
October	1.35	10.07	7.74	5.84	7.17	3.41	4.56	8.00	5.38	8.25	6177	
November	14.71	3.84	1.17	3.01	9.21	7.26	2.55	8.56	12.03	12.42	7676	
December	3.17	4.61	1.84	14.36	5.96	11.00	4.37	7.06	3.08	3.73	5918	
TOTALS	59.31	64.31	44.97	57.27	60.64	64.04	50.28	55.33	66.09	54.77	57201	

1931. Buildings 13 ft. high, 15 ft. 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.			Tredgar	100 60 yds.	2.	St. James	1/4 m.	E

Station No.....

4007

## RAINFALL at Tredegar Laboratory

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County of Monmouth.

Observer Tredegar Iron &amp; Coal Co. Ltd.

River Basin Ebbw - 2

National Coal Board

Type of Gauge Howard

Annual Average ~~50.2~~ in. based on 35 years obs. ~~1900~~-~~1935~~ weighted. Period of average 1881-1915 Ref. B 87 N

File No. 879033/28

Diameter	5			487	393						
Height	20				1						
Altitude	950				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.72	5.42	11.82	6.68	4.71	8.55	5.91	14.19	2	7.02	1.81 65.83
February	6.12	5.55	4.74	1.19	7.64	6.00	2.16	3.56	2	3.33	10.92 66.21
March	4.16	4.33	1.22	3.38	2.63	2.48	12.37	3.58	2	9.63	4.19 37.97
April	1.19	3.59	1.68	2.96	2.81	1.96	6.67	3.75	2	5.45	4.67 34.73
May	3.72	8.98	5.92	2.11	3.76	5.14	3.54	4.79	2	4.45	2.91 45.32
June	2.06	3.1	4.44	3.41	5.86	5.68	3.30	6.05	2	1.09	2.34 34.54
July	2.89	3.42	3.43	3.56	3.95	2.66	3.77	1.83	2	1.05	7.58 34.14
August	7.00	6.54	5.30	4.40	3.83	9.30	.55	6.62	2	3.57	8.69 55.80
September	.82	3.95	5.30	5.55	4.58	9.23	2.87	5.27	2	9.95	7.02 47.54
October	6.93	4.52	5.21	8.79	7.54	1.63	1.71	6.08	2	12.28	3.18 57.87
November	4.18	7.8	4.21	9.75	.80	14.24	6.37	3.10	2	7.71	7.62 58.76
December	4.16	9.00	3.30	5.31	10.19	7.17	5.64	11.89	2	6.44	3.63 66.73
TOTALS	47.95	51.39	56.57	540.9	58.30	74.04	54.86	70.71	2	52.97	64.56 58.54

1941. Building 15' high 15' N 1944 Building 15' high 15' N (613 f. 879033/28)

x Error cont'd 1945

1945? New gauge measure (standard) in use from 1.8-45, giving increase of .55 in. over old gauge?

Newer object in 1944 so gauge must be adjacent. - Height still recorded on 1945.

The average of 59.8 was computed by using hedgehog (No. 1000) 1881-1910 C is not applicable to present record  
as is due to new P.P. introduced from 1910-20.

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
1941			Tredegar	108yds	N.E	St. James	2 m.	N.E

Station No. 4007

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## RAINFALL at TREDEGAR (LABORATORY)

County of MONMOUTHSHIRE Observer NATIONAL COAL BD.

River Basin 2 - EBBW

Type of Gauge HOWARD

Annual Average 57.2 in. based on 23 years obs. un-weighted. Period of average 1881 - 1915  
 " " 62.27 " " 1946 - 56 1916 - 1938 Ref. I.W.S.  
 File No. 379033128

Diameter ...	5"			487	393						
Height ...	2' 0"					1					
Altitude ...	950'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	7.42	6.79	1.66	3.65	6.27	8.17	7.65	5.69	8.00	7.83	62.13
February ...	8.16	1.37	2.68	5.64	2.98	6.6	8.46	8.96	.51	7.29	46.71
March ...	6.22	3.93	4.06	5.96	3.76	2.75	6.27	2.03	6.49	3.92	45.39
April ...	5.58	4.72	4.94	1.01	1.92	2.26	.19	1.27	6.50	4.81	33.20
May ...	3.88	5.00	3.74	3.37	6.99	1.64	3.42	5.33	1.91	2.29	37.57
June ...	1.64	3.31	2.71	7.23	5.24	4.40	1.26	4.02	2.33	2.77	34.91
July ...	1.81	3.26	6.77	4.17	.39	7.22	4.80	4.90	6.22	6.12	45.66
August ...	6.85	9.38	7.05	5.89	1.49	5.93	4.80	5.51	1.36	5.11	53.37
September ...	6.88	4.66	5.67	7.53	2.75	6.83	8.41	10.02	.30	6.22	58.77
October ...	1.60	8.21	4.83	9.52	4.23	2.15	4.81	8.19	6.03	10.09	59.66
November ...	1.23	4.65	4.99	13.73	7.28	2.26	2.87	2.96	9.63	14.38	75.98
December ...	7.60	5.26	2.10	6.17	8.90	8.95	6.08	6.01	16.51	8.19	75.77
TOTALS ...	70.87	60.54	51.20	73.87	61.20	63.22	59.02	64.89	65.79	79.92	629.12

Note Building 15' high, 15' yds N

The average of 59.8 in. was computed using Tredegar (The Willows) 1881-1910 + is not applicable to the present record

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference (32) 1444282

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1941			Tredegar	100yds N-E	St. James	4ml. N-E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1912 — 1912-14 D 1915-16 D 1919 MB 1919-20 1919	C 1920, 22-27, 30 d 1928-29, 1921	D 1931 — 1932 d 1933-40	d	