

RAINFALL at Mlachen, Mlachen QuarryCounty of MonmouthObserver The Mlachen Stone & Lime Co LtdRiver Basin Rhymney, 1.Snowdon Rain Gauge, by Symonds

Diameter ...											
Height											
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means. 1920
January ...						5.51	7.71	5.20	9.51	2.17	9.25
February ...						6.99	3.72	4.03	11.85	1.58	6.4
March						4.6	8.4	4.37	5.13	1.84	3.37
April						2.58	2.79	1.87	1.70	.91	3.33
May						5.65	2.85	.95	.99	3.66	1.85
June00	2.19	4.84	2.75	3.12	1.45
July						4.36	2.45	6.50	2.69	2.38	4.20
August						5.18	4.30	5.97	4.32	3.83	5.92
September...						9.14	5.58	1.34	7.67	.88	1.75
October						6.33	6.17	3.62	4.74	9.62	7.77
November...						3.79	1.50	9.40	5.84	7.13	13.79
December...						8.68	4.39	.30	4.08	6.02	11.71
TOTALS...						48.37	41.51	56.06	55.85	52.51	53.97
						d	d	d	d	2	D.

1924. S. installed Sept. 1st. House 40' high 20 yds to W.1927. Traze 3 ft. high, 15 ft. S.E.
Wall 12" .. 10 yds. S.E. to N.1930. Wall 4 ft. high 3 yds. S.W. Bridge 2' 6" 5 yds. S. Tree 20' 8 yds. S.E.
Gauge read in winter 9 a.m. in summer 9 a.m.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
1924	51° 35' 20"	3° 7' 25"	Church Rd	2 m	S.E.	Lower Mlachen	2 m	S.E.
1930			Mlachen G.W.R.	4 m	N.W.	St John's Mlachen	4 m	N.W.

RAINFALL at Maichen (Maichen Quarry)

County of Monmouth

Observer Maichen Stone & Lime Co.

River Basin Rhymer - 1

Maichen Quarries Ltd.

Type of Gauge B.2

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....
817124/23

Diameter	5										
Height	1 1										
Altitude	250										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.06	7.11	3.69	5.91	.95	6.31	6.45	7.51	9.67	3.54	5520
February	2.93	13	5.10	.59	5.21	3.12	7.93	2.05	3.49	5.21	3676
March	1.34	2.63	4.64	2.93	1.33	4.43	5.62	.60	2.29	3.84	2955
April	3.57	5.10	2.17	3.04	6.58	3.73	4.23	.14	4.68	4.79	3803
May	8.12	5.91	3.18	1.75	.84	1.18	2.63	5.09	1.27	2.13	3210
June	4.03	2.29	1.67	1.59	5.84	3.24	1.87	2.86	2.59	.85	2683
July	4.78	5.06	3.00	1.62	.93	8.78	4.29	5.23	9.14	5.40	4823
August	5.37	1.43	1.63	4.39	1.83	1.89	1.10	4.22	2.69	.21	2476
September	2.45	5.49	2.10	4.50	9.59	3.58	2.35	2.59	0.97	1.50	3512
October	1.15	7.28	5.28	3.74	6.72	2.29	4.61	9.04	4.15	7.55	5181
November	9.56	2.48	1.07	1.92	8.55	5.98	3.06	7.59	9.93	10.39	6053
December	3.12	2.45	2.32	13.20	4.16	7.24	3.98	5.95	2.73	2.89	4804
TOTALS	50.48	47.36	35.75	45.18	52.53	51.77	48.12	52.87	53.60	48.30	48596

1931. Well 4 ft. high, 3 yds. S.W.
 Hedge 2 " 6 in. " 5 " S.
 1934 Gauge moved 20 yds N.W.
 1934 House 20 yds high 3 yds N.W.
 1936 House 15 " high 15 N.W. Shed 6' high 10 S.W.
 1937 House 20' high 12 N.W. Shed 7' high 9 S.W.
 1940 Gas. part sold.

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
1931.			Maichen	1/4 m.	N.W.	Maichen	1/4 m.	N.W.
			"	"	N	(1934) - "	1 m	S.E.
1937			Church Rd.	1/2 m.	S.E.	Lower Maichen	1/2 m.	S.E.
1940			Maichen	3/4 m.	N.E.	Maichen	1 m	S.E.

Station No. 4003

RAINFALL at Machen (Machen Quarry)

41

County of Monmouth Observer Machen Quarries Ltd.

River Basin Rhy. mney - 1

Type of Gauge 3. A. S. (1946) B.A. 1950.

Annual Average 12 in. based on years obs. un-weighted. Period of average Ref

File No. 81724 28

Diameter	5				488	594					
Height	1 1			20							
Altitude	250					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	5.25	5.93	9.56	4.78	3.75	7.01	4.45	11.10	1.55	1.77	55.15
February	5.56	4.9	3.08	1.07	6.27	4.16	1.75	3.11	2.67	9.12	37.28
March	3.86	3.25	1.43	.38	2.30	1.70	9.24	2.67	2.22	3.50	30.55
April	1.39	2.75	1.41	3.11	2.45	1.93	4.57	3.60	4.22	3.79	29.22
May	2.93	7.64	4.90	1.70	4.00	4.43	2.66	4.02	4.58	2.19	39.05
June	1.63	.09	3.34	2.95	5.20	5.42	2.51	4.63	.85	2.04	28.66
July	3.98	2.90	3.00	2.99	3.56	2.52	3.30	2.17	1.64	6.88	32.94
August	7.46	5.94	5.45	2.84	4.49	8.62	1.00	5.13	3.20	8.55	52.62
September	1.39	4.73	5.10	5.47	2.94	7.08	2.45	4.48	2.56	8.00	46.20
October	3.41	3.17	3.40	6.33	6.18	1.65	1.67	6.02	10.52	2.43	44.78
November	2.84	1.16	3.19	10.28	1.9	8.26	5.59	2.40	4.78	7.22	46.21
December	4.72	5.80	3.13	3.66	7.37	6.08	4.71	7.20	3.97	3.29	49.93
TOTALS	44.42	43.85	46.99	45.56	49.00	58.86	43.90	56.53	42.76	58.78	490.65

1941 House 25' high 12' N.W.
lavatory 6' high 8' S.W.

1944 Ho. 20 ft. high N.W. 17 ft. high 2 yds. S.W.

1946 House 20' high 8' N.W. lavatory 7' high 8' S.W.

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.
1941	-	-	Machen G.W.R.	1/2 ml	N.W.	Lower Machen	1/2 mile	S.E.
1946	-	-	Machen	1/2 ml	N	Lower Machen	1/2 ml	S.E.

Station No. 4003

RAINFALL at ~~HACHEN~~ (MACHEN QUARRY) (WYDDHAM STREET)
 MACHEN (FORRUM ROAD) c. 1954.

County of MONMOUTHSHIRE

Observer MACHEN QUARRIES LTD.

River Basin 1 - RHYNNY

Observer D. B. Thomas, Esq.

Type of Gauge B.A.

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

File No. 817124/28

Diameter ...	5"			488	594					5"	
Height ...	2' 0"				1		1' 6"			1' 10"	
Altitude ...	250'				51					250'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.14	5.02	1.19	3.57	3.91	5.68	6.34	5.22	6.40	5.36	4.883
February ...	5.70	1.04	2.53	5.47	2.21	.43	6.29	6.09	.34	4.53	3.463
March ...	5.22	3.51	2.21	5.04	2.30	1.62	6.28	1.20	3.83	2.15	3.336
April ...	4.18	3.89	5.06	.90	2.32	2.50	.17	.92	3.91	2.57	2.662
May ...	3.02	4.39	3.80	2.81	5.94	1.30	2.11	4.49	1.12	1.62	3.060
June ...	1.58	2.24	2.68	6.34	4.45	3.35	1.31	3.70	2.09	2.65	3.034
July ...	1.41	3.06	6.30	3.04	.44	4.54	4.58	4.41	3.89	5.37	3.702
August ...	6.59	7.01	5.42	4.63	1.06	6.01	4.30	6.20	1.77	5.12	4.811
September ...	5.53	3.77	5.60	6.48	1.99	5.89	6.29	8.80	.26	6.01	5.043
October ...	1.65	6.10	4.00	7.31	2.80	2.26	4.86	5.20	4.91	8.62	6.721
November ...	10.19	5.63	4.05	11.06	5.63	1.30	2.53	2.49	6.41	11.11	6.040
December ...	5.30	3.51	1.69	4.22	7.93	6.42	3.57	4.97	11.81	7.38	5.680
TOTALS ...	56.51	49.17	44.53	60.87	40.98	41.30	48.63	53.69	46.74	61.49	50.491

15' W. House 20' high 8' NW. Lavaatory 7' high 8' SW
 12th March 1954. Gauge moved to rd. WSW approx.

MAR 1955 House 30' - 60' NW-SW. 1955 gauge over station, 1955 house in garden
 1957
 Inspected 24.11.40 by H. H. H. g. moved to observatory house in Wyddham St. of SSW to WSW Terrace houses
 20'-40'SSW → 12'-15'SW → 20'-30'WSW. Reasonably satisfactory site 10-12 yards N in garden.
 adopted 1/61
 ST(31)210893

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference (31222824)

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1946			Hachen	2 mi N	Lower Hachen	1 1/2 mi SE
1957			"	200 yd E	" "	" "

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		Cimp 1924 d 1925-29 D 1930	D 1931 1936-40 d 1933-35 -1932	D 1941-45 1946-50 d 1946-47	