

Nantlle

RAINFALL AT Dorothea Quarries

Lat.

Lon.

County of Carnarvon

Rain Gauge, by

Observer

W G Griffith Esq

Menai Straits - 3.

Diameter ...										8	
Height										3.0	2.0
Altitude ...										500	460
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										6.45	3.84
February ...										4.43	1.55
March										3.39	8.03
April										3.87	3.12
May										4.22	4.14
June.....										7.71	2.83
July										2.40	5.28
August.....										5.75	5.46
September ..										.75	4.67
October ...										10.38	2.17
November ..										5.36	6.74
December...										7.09	6.00
TOTALS ...										59.26	58.74

map 2

map 3

1907 Jan + Feb Gauge broken

Gauge on top of a slate rubbish heap 100 ft above
level of the ground

Nantlle Station 3/4 mile

1909 Gauge read 1st of Month.

RAINFALL at Nantlle Dostrea Quarries

County of Carnarvon

Observer W. J. Griffith Esq

River Basin Menai Straits 3

Rain Gauge, by

NL

Diameter ...	8											
Height	2.0			1.6	2.0	2.6	6.0?			60.0		
Altitude ...	450			350	450		460	450	460			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.16	2.90	5.45	9.25	4.91	6.60	4.63	2.87	8.75	7.58		
February ...	8.32	5.22	4.70	3.25	8.92	10.00	6.80	2.08	6.36	1.58		
March	4.09	3.29	10.62	7.07	8.08	2.32	3.54	4.45	3.36	8.05		
April	5.65	4.50	.40	6.94	.94	4.00	4.30	3.12	1.33	5.00		
May	2.72	2.43	2.47	3.90	3.62	2.08	5.89	4.81	4.30	1.12		
June	3.86	5.06	7.69	5.56	2.50	1.34	3.24	2.84	3.51	3.50		
July	5.26	1.24	7.50	1.83	7.14	3.71	3.49	1.88	6.17	3.36		
August	8.40	4.90	9.03	2.58	2.46	3.24	20.45	13.01	2.53	4.85		
September ..	1.64	5.10	1.42	7.94	3.20	1.83	4.21	3.92	11.41	6.30		
October ...	3.90	5.85	8.11	5.37	2.61	4.82	9.37	11.18	10.35	3.06		
November ..	8.28	9.37	6.96	7.80	7.07	4.61	7.08	5.13	3.88	4.00		
December ...	10.45	13.18	7.24	3.10	11.97	12.95	4.23	3.80	9.41	10.42		
TOTALS ...	67.63 intd	63.04 intd	71.63	64.53	65.73	57.50 intd	59.23 intd	59.09 intd	71.36 intd	58.82	63.856	

Read first of each mo.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Nantlle	½ mi				

RAINFALL at Nantlle (Dordacea Decoress)County of GwyneddObserver W. J. Griffith, Esq.River Basin Mawdd - 3'

Rain Gauge, by _____

Monthly

Diameter ...	8										
Height	72.0	60.0				60.0					
Altitude ...	350	450				350					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.
January ...	7.59	9.12	8.27	8.90	7.82	4.76	9.37	7.03	11.11	3.53	12.86
February ...	4.61	1.30	6.82	10.96	1.29	10.78	6.56	5.79	6.39	1.34	.31
March	9.84	8.64	5.18	2.43	2.77	1.86	1.20	7.98	4.67	1.84	4.16
April.....	8.15	3.16	4.33	5.17	5.55	4.70	3.54	2.00	2.27	1.10	3.21
May	5.20	3.70	1.40	3.42	6.53	6.15	4.75	2.10	0.98	5.11	2.35
June	4.10	.73	2.52	2.74	6.50	1.13	4.04	7.18	8.16	3.17	3.06
July	10.33	3.50	6.10	4.88	4.41	3.27	5.85	4.60	4.43	4.98	5.76
August	5.90	11.07	5.60	7.00	8.25	6.11	5.26	10.83	5.69	7.07	7.28
September...	5.06	2.10	5.55	8.91	9.34	4.80	2.67	6.84	2.14	2.68	4.94
October.....	5.93	3.57	5.3	9.98	6.50	8.77	5.10	6.85	10.22	9.37	9.77
November...	4.72	4.50	5.84	8.80	3.92	5.21	11.08	9.37	11.71	17.54	8.64
December...	6.39	5.77	11.50	8.02	15.80	5.43	2.03	2.84	4.16	13.25	10.08
TOTALS...	77.81	57.16	63.64	78.22	78.70	61.96	61.45	73.41	74.93	70.98	72.42

1925. 9 on top of quarry tip. 1927. Dec. cannot alter height of q. See enclosure 1^A
File 814157/127.

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
1927.			Nantlle	3 4/5 mi	E.	Glanllyn	2 m.

RAINFALL at Hancale (Dorothy Quarrie)County of CarmarthenObserver W.T. GriffithDeceasedRiver Basin 2-Mengai StraitO. Galle Bay

Type of Gauge

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

814157/27

Diameter	8.										
Height	60.0										
Altitude	350.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.79	10.70	7.41	7.04	4.14	4.03	3.14	5.61	9.28	(4.11)	
February	4.96	1.01	2.95	1.81	7.19	5.11	1.91		2.65	(4.63)	
March	1.34	3.27	3.91	4.11	1.38	3.96	2.89		3.37	(2.84)	
April	4.36	4.41	2.44	2.77	3.76	1.08	3.39		1.50	2.61	
May	5.58	5.15	2.91	5.38	3.53	1.93	1.58		.93	(2.22)	
June	6.21	2.86	3.13	1.71	7.68	4.92	3.49		1.71	1.09	
July	4.78	7.21	3.36	1.22	7.78	4.96	1.47		6.63	3.85	
August	6.59	1.17	3.23	6.34	1.79	2.78	1.08	2.73	1.77	2.68	
September	4.19	4.38	2.77	9.88	8.13	3.52	4.51	3.20	.82	2.91	
October	3.52	9.42	5.87	10.27	7.33	3.42	5.13	6.75	3.92	(5.94)	
November	15.25	4.75	3.10	2.46	8.07	5.09	1.68	6.65	3.56	8.34	
December	4.09	8.53	(3.79)	12.68	3.05	9.21	4.29	4.25	2.61	6.53	
TOTALS	66.66	61.86	(44.8)	64.67	55.83	50.01	39.56	imp.	38.75	(47.65)	
	n.p.										

1931. 9. on quarry tip.

1933. December adjusted for snowfall by mean stations.

1939. No record was kept from Feb.-July.

1949. n.p. low.

1940. Jan, Feb, Mar, May & Oct add f. monthly maps.

1940. n.p. late.

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
			/					

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

Station No. 43614

RAINFALL at Nantlle (Dorothea Quarry) *late May 1945.*

County of Caernarvon Observer G. G. G. Ref. 950

River Basin 3 - Menai Straits Dorothea State Quarry Co. Ltd.

Type of Gauge Octagonal (9.6m. 1944)

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

File No. 81415722

Diameter	8"			5"		529	862			
Height	60' 0"	2' 6"						1		
Altitude	350'	340		340'	300		41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	(2.12)	6.05		-100	3.10	12.30	10.50	15.35	4.80	2.55
February	4.87	2.00			7.30	5.75	1.15	4.10	3.50	8.10
March	3.71	3.26			3.55	2.70	10.65	3.85	2.15	6.60
April	1.72	2.75			2.50	1.10	7.10	2.80	3.60	4.95
May	(3.23)	4.16		-100	2.55	2.25	4.80	2.15	2.70	0.50
June	0.85	(0.40)		2.55	2.50	5.95	2.70	5.95	1.05	2.25
July	2.94	(3.01)		5.45	3.80	4.00	3.30	3.55	1.65	4.05
August	(3.83)	4.31		3.20	.75	6.95	0.00	7.40	3.60	8.90
September	(1.56)	(4.64)		5.90	5.15	8.45	4.95	6.30	3.70	13.40
October	(5.58)	5.34		7.20	5.20	1.20	1.15	4.40	10.85	6.50
November	(4.79)	1.01		8.95	0.65	12.30	6.25	5.60	6.90	5.75
December	(3.00)	6.64		10.25	8.30	11.75	3.60	10.10	7.45	6.15
TOTALS	(38.20)	(43.57)	N.R.	100 W.P. imp.	46.35	74.70	56.15	71.55	54.95	69.70

1941 up too much obstruction x 27" gauge supplied herd. 1944.
 1942 June July Sept app. np. low. Gauge was repaired Dec 1941, & moved to anew site, but leaks developed again.

42274	01504
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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
1949			Nantlle	1/2 mi		Talysern	1/2 mi

Station No. 4364

51

RAINFALL at Hantle (Dorsette Quarry)

County of Lancashire observer Dorsette State Quarry Co. Ltd.

River Basin 3 - Menai Straits First Ltd in 1952 ST 150 on the 1st

Type of Gauge Octagonal

Annual Average 61.0 in. based on 11 years obs. un-weighted. Period of average 1916-50 Ref. 86.637
" 63.39 " " 26 " " within 1916-57. " " 1916-50 " S File No. 814157 127

Diameter ...	5"			529	862			5"		
Height ...	2' 0"					1		2' 5"		
Altitude ...	300'					51		~400'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January	7.20	8.45	3.45	4.95	4.90	5.00	9.75	7.85	6.40	11.00
February	8.85	1.60	4.95	6.25	3.45	0.75	7.00	8.85	1.40	10.95
March	5.88	4.75	1.20	6.85	2.55	2.55	6.30	0.75	4.55	2.00
April	2.95	4.50	5.00	1.65	4.30	0.95	.55	1.25	4.95	5.05
May	2.70	3.10	8.60	5.75	5.35	2.65	3.15	7.10	0.90	1.80
June	1.15	4.05	8.90	5.75	7.00	3.10	1.25	5.40	1.80	4.10
July	1.60	2.65	6.45	4.80	0.85	5.80	9.45	4.85	3.15	4.60
August	9.00	5.15	3.55	5.00	1.40	11.60	8.00	4.00	0.35	6.15
September	10.25	3.70	6.00	6.90	3.90	4.80	8.15	9.80	0.70	2.70
October	0.90	5.00	5.55	3.25	4.20	5.45	8.10	5.70	8.15	5.60
November	10.25	5.20	8.75	2.30	2.75	2.65	3.10	3.95	14.65	14.15
December	11.20	5.10	3.30	5.50	6.25	8.10	6.75	5.15	13.60	8.60
TOTALS ...	72.10	53.25	55.70	78.95	46.90	53.40	71.55	64.65	60.30	86.70
	M	M	M	M	M	M	M	M	M	M

Inspected 8.12.59 by Mr. Stibbs 0x wide terrace of quarry with 450' drop to N being again distant, site reasonable & all but NW-S.E. insulating from slate reservoir (5' below sea). Rec. standard installation, better site not practicable because of interference.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SH(23)497532

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1948 1953			Hantle "	1 mile to N. NW	Talysarn "	1 mile to N. NW

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		1910-19 imp	1920-30	1931-40	1941-50	1951-60
		1910-19 imp	1920-30	1931-40	1941-50	1951-60
		1910-19 imp	1920-30	1931-40	1941-50	1951-60
		1910-19 imp	1920-30	1931-40	1941-50	1951-60
		1910-19 imp	1920-30	1931-40	1941-50	1951-60