

82

4274/5

10

RAINFALL at CilcainCounty of FlintObserver W. Simmons EsqRiver Basin Dee

1

Snarden

Rain Gauge, by

Diameter ...	5											
Height	1.0	1	9	1.0								
Altitude ...	790 N											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.67	.90	2.50	2.29	1.62	3.18	.73	1.75	1.65	1.52		
February ...	2.67	1.60	1.11	.89	2.45	2.55	2.77	1.08	1.53	1.18		
March93	.91	2.39	2.89	2.08	.97	1.87	3.06	.57	4.44		
April	4.19	.94	.58	2.37	.64	1.13	1.45	2.25	1.26	2.55		
May	2.57	.59	1.45	2.84	1.65	1.71	3.33	2.89	3.20	.95		
June	3.51	4.03	3.54	1.97	2.71	.80	1.07	2.05	1.52	1.61		
July	4.16	.69	2.65	1.10	6.06	2.21	1.31	.83	3.37	1.84		
August	2.78	3.01	6.16	1.86	1.18	4.09	2.74	6.36	2.14	2.50		
September ..	.65	3.56	.96	1.77	1.93	.96	3.97	1.26	4.97	2.28		
October	4.27	2.05	2.57	2.20	1.13	1.89	3.95	5.53	1.36	4.13		
November ..	6.28	1.90	2.88	2.22	2.05	2.92	2.77	2.72	1.32	1.91		
December ...	4.25	2.71	1.68	2.57	3.85	2.96	1.72	1.74	2.48	1.98		
TOTALS ...	38.93	22.89	28.47	24.97	27.35	25.37	27.68	31.65	25.37	28.69	28.127	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Nannerch	3 1/2 4 mi	N	Cilcain	1 mi	E

RAINFALL at Gilcain (No 2 Reservoir)County of FlintObserver Harold W. G. Co.River Basin 1- DeeA. N. P. R. G. Co. Co.Type of Gauge SnowdonHarold W. G. Co. (1937)

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

647720/25.

Diameter	5"											
Height	1' 0"											
Altitude	785'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	2.14	2.76	2.69	2.08	2.84	3.99	2.49	3.80	5.46	2.57	3082	
February	2.63	.14	3.14	.39	3.19	3.36	6.12	1.00	2.86	3.09	2592	
March	.35	1.80	2.05	2.99	.82	2.54	3.03	1.19	3.14	3.10	2101	
April	3.62	4.68	.95	2.56	3.15	1.90	5.49	.30	2.41	3.26	2832	
May	3.68	3.39	1.78	2.28	2.01	2.09	2.37	2.39	2.27	2.81	2507	
June	5.65	.75	1.67	1.22	4.25	5.72	1.53	4.14	3.46	1.22	2961	
July	2.01	6.24	2.63	1.70	1.69	3.36	2.00	4.05	6.29	3.70	3367	
August	7.06	1.66	1.31	4.22	1.43	1.54	2.29	3.17	2.10	1.28	2606	
September	6.09	2.85	.92	2.09	5.24	4.48	1.86	1.56	0.81	3.58	2958	
October	1.78	6.26	5.34	4.44	5.04	2.25	3.49	4.08	3.52	3.49	3063	
November	5.72	2.67	2.57	2.10	5.33	3.76	1.75	4.37	5.19	6.26	3972	
December	2.05	1.54	1.02	5.43	3.96	5.00	3.49	4.21	2.33	2.51	3154	
TOTALS	42.72	34.74	26.07	31.50	39.05	39.99	35.91	34.26	39.84	36.87	36035	

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			Nannarch	3½ m	N.	Gilcain	1 m.	E.

RAINFALL at Bilcain (N. of Bessie)County of FlintObserver W. G. G. G.River Basin L. DeA. N. P. G. G. G.Type of Gauge BradfordHawarden & Dist. W. G. G. (1937)Annual Average in. based on years obs. un-weighted. Period of average Ref.

647720/25

Diameter	5"											
Height	1' 0"											
Altitude	900'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	3.51	2.92	2.69	2.10	2.90	4.31	2.52	3.67	5.52	2.87	3301	
February	3.17	2.6	3.08	3.34	3.00	3.12	4.58	3.88	2.58	3.26	2427	
March	4.48	1.95	2.00	2.67	1.76	2.37	3.19	1.09	3.35	3.13	2098	
April	3.49	4.39	3.81	2.69	2.96	2.07	5.16	3.30	2.58	3.08	2753	
May	3.61	2.67	1.90	2.33	1.80	1.95	2.57	2.30	2.81	2.78	2472	
June	5.70	1.73	1.55	1.30	4.40	5.57	1.82	4.12	3.14	1.33	2966	
July	1.97	6.08	2.49	1.76	1.98	3.54	2.15	3.87	6.75	3.96	3455	
August	7.55	1.95	1.33	4.49	1.49	1.38	2.58	3.53	1.88	1.03	2721	
September	6.54	3.05	1.64	2.33	5.54	4.73	1.96	1.26	1.09	3.73	3077	
October	1.76	5.80	5.78	4.74	5.25	2.35	3.72	3.91	3.31	4.50	4112	
November	5.44	2.73	2.63	2.22	5.73	3.62	1.35	4.25	5.00	6.45	3942	
December	2.31	1.48	1.96	5.67	3.38	5.15	3.53	3.20	2.28	2.07	3003	
TOTALS	45.53	34.01	25.86	32.64	39.18	40.16	35.03	32.38	40.29	38.19	36327	

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

Date.	Lai. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			Hawarden	4 m.	N.	Bilcain	1 1/2 m.	E.

Station No. 4274/5

RAINFALL at Cilcain (Nº 2 Reservoir)

41

County of Flint Observer Hawarden Dist. W.W. Co.

River Basin 1 - Dee

Type of Gauge Snowdon

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

File No. 647722/25

Diameter	5				547	300					
Height	10					1					
Altitude	785'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	4.15	4.55	4.85	3.36	3.40	3.40	2.11	7.38	3.66	1.09	37.95
February	3.49	2.03	2.40	1.84	2.14	4.95	1.49	1.42	1.31	5.41	26.48
March	3.53	2.01	0.89	1.62	1.05	1.76	4.80	0.81	8.74	1.69	20.90
April	2.37	1.38	2.10	1.16	1.81	0.92	3.38	1.91	3.21	4.22	22.46
May	2.48	3.95	2.98	1.67	3.90	2.97	3.32	1.11	3.03	1.18	26.59
June	0.47	0.64	3.86	1.90	2.60	3.37	3.00	4.45	0.89	1.26	22.74
July	2.92	3.80	2.28	2.01	2.35	3.02	5.01	3.17	3.09	2.60	30.25
August	4.25	3.45	3.92	2.54	1.83	4.66	0.85	3.75	2.34	4.65	32.24
September	0.70	2.90	6.03	5.29	2.06	3.34	2.65	2.30	1.81	5.86	32.64
October	4.23	2.64	4.63	5.54	4.76	1.35	0.71	2.67	4.99	2.76	34.28
November	2.67	1.28	3.34	6.06	0.55	4.03	4.65	2.03	3.87	4.45	32.93
December	2.13	4.25	1.72	2.05	3.30	3.95	3.25	3.51	2.96	3.92	31.04
TOTALS	33.39	32.88	39.00	35.04	29.75	37.72	35.22	34.51	33.90	29.09	350.50

Nº 2 Res. 704 ft. O.O. 15 ft.

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.
1944			Rhydymwyn	5m		Cilcain	1m.	

Station No. 4274/5

RAINFALL at Cileasin (No 2 Reservoir)

51

County of Hintichie

Observer Harwarden & Disk W.W.C.

River Basin 1-Dee

Type of Gauge Snowden (No 2)

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

36.10 - 25 - (other 1931-57)

File No. 647720/25

Diameter ...	5"				547	300				5"	
Height ...	1'0"					1				1'0"	
Altitude ...	785'					51				785'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Mean- Total
January ...	2.63	3.74	1.31	2.62	2.33	3.65	1.98	3.67	5.28	6.83	33.84
February ...	3.18	1.03	1.98	2.88	3.15	0.60	2.55	5.50	1.01	3.01	24.89
March ...	6.16	0.68	0.91	1.92	2.06	2.09	1.42	1.74	1.76	1.91	20.63
April ...	2.11	1.90	3.38	0.99	1.70	2.32	0.47	1.01	4.99	1.70	20.57
May ...	3.53	2.84	3.06	4.12	4.14	0.86	1.71	2.48	2.29	2.15	27.20
June ...	2.01	1.77	2.48	3.96	3.26	2.52	1.70	6.35	2.78	1.49	28.32
July ...	1.99	2.06	3.05	4.58	0.39	4.83	5.17	4.16	3.60	3.12	32.95
August ...	3.83	2.03	2.67	5.53	1.48	8.85	5.89	3.45	1.30	4.37	39.40
September ...	2.53	4.32	3.36	2.52	2.72	3.03	8.19	5.08	0.21	5.39	37.37
October ...	1.28	4.81	1.60	5.14	2.34	2.78	2.66	2.83	3.92	5.66	33.02
November ...	7.58	3.12	2.19	6.70	1.92	1.27	2.66	2.09	4.95	6.55	39.03
December ...	3.71	5.25	1.66	3.24	3.22	2.71	2.67	2.79	5.19	3.75	34.19
TOTALS ...	40.36 D	33.55 D	27.65 D	44.20 D	28.71 D	35.51 D	37.07 D	41.15 D	37.28 D	45.93 D	371.41 10

1954 No 2 Res. 15's

Inspected 5-8-60 by H.H. Butler. of N.E.N.E. otherwise reasonable.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference ST 33143645

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1942 1954			Alydymwyn	500 N.E	Cileasin	1 1/4 N.E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	-	1920-22 1923-24 N.E. 1925-26 S 1927-30 N.E.	D	D	

Station No. 427416

RAINFALL at Pitcairn (No. 4. Reservoir)

51

County of Flintshire Observer Howarden Dist. W.W. Co.

River Basin 1 - Dee

Type of Gauge Bradford

Annual Average in. based on years obs. un-weighted. Period of average 1916-50 Ref.

File No. 647726125

Diameter ...	5"				547	591				5"	
Height ...	1' 0"					1				1' 0"	
Altitude ...	900'					51				940'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	2.64	3.54	1.28	2.70	2.38	3.70	1.99	3.85	5.27	6.25	33.60
February ...	3.31	1.00	2.01	2.89	2.92	0.65	2.55	5.49	1.06	3.08	24.96
March ...	5.37	0.69	0.92	1.91	2.04	1.92	1.37	1.78	1.60	1.84	19.44
April ...	2.22	1.74	3.24	.95	1.61	2.35	0.46	1.00	4.91	1.62	20.10
May ...	4.24	2.74	2.84	4.29	4.35	.89	1.57	2.47	2.32	2.09	27.80
June ...	1.55	1.68	2.62	3.89	3.34	2.40	1.68	6.43	2.71	1.48	27.78
July ...	2.14	1.97	2.94	4.38	0.37	4.82	5.78	4.26	3.35	3.07	33.08
August ...	3.78	1.96	2.64	5.93	1.48	8.98	6.34	3.61	1.85	4.42	40.99
September ...	2.72	4.36	3.32	2.32	2.72	3.20	8.40	4.91	0.19	5.34	37.48
October ...	1.13	5.08	1.59	5.04	2.42	2.68	2.61	2.70	3.72	5.53	32.50
November ...	7.68	3.16	2.12	6.51	1.95	1.13	2.57	2.02	5.04	5.92	37.90
December ...	3.75	4.94	1.63	3.18	3.17	2.80	2.63	2.75	4.89	3.56	33.30
TOTALS ...	60.33 W	32.86 W	27.15 W	43.99 W	28.75 W	35.52 W	37.95 W	41.27 W	36.91 W	44.20 W	368.93

1954-60 R. 15'S.

Ingrates 5.8-60 by Hydrometer. o/c NW-SE otherwise reasonable. g. read weekly and 15° of month.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 57 (33) 155629

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1924 1954 1957			Rhydymwyn	5 1/2 mi. N.E.	Pitcairn	1 1/2 mi. N.E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40 1931-32 1935-40 W	1941-50 W	1951-60