

RAINFALL at R. ALWEN (ALWEN DAM)County of DENBIGH Observer R. F. BAKER C.S.River Basin DEE 1. Birkenhead NWSnowdon Rain Gauge, by
A.O. (27)

Diameter ...						S				
Height						1. 0				
Altitude ...						1189				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...						3.41	6.29	5.98	10.95	1.47
February ...						8.68	3.12	3.02	7.54	1.00
March						2.23	2.61	5.74	3.14	.56
April.....						4.43	2.57	2.86	1.144	1.51
May						4.65	3.49	2.69	2.46	2.43
June						1.03	2.34	6.43	6.94	2.27
July						2.21	6.22	2.78	2.01	3.87
August						3.04	4.70	8.25	4.39	5.38
September...						6.14	4.96	6.23	2.81	2.37
October.....						6.51	4.42	7.39	8.32	7.00
November...						3.53	7.56	5.85	10.24	8.41
December...						7.23	2.22	1.49	4.44	11.85
TOTALS...						52.09	50.50	58.71	64.71	48.12
						3	3	3	3	3

Inspected September 1925 see green file

1930. Obs. taken in Winter 9 a.m.

" " Summer 10 "

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	Parish Church.	Distance from gauge
1925	53° 3' 35"	5° 33' 20"				

RAINFALL at River Alwen (Alwen Dam).

County of Denbigh. Observer R.F. Baker, C.E.

River Basin 1-Dee

Type of Gauge 6" 0 Smoothing (1930)

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

Ref.

660551/26

Diameter	5										<u>Mean</u>	
Height	1.0										Total	
Altitude	1189											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	6.25	7.42	5.51	5.53	3.40	6.99	5.31	3.26	8.17	2.35	59.99	
February	5.70	7.14	6.41	4.46	7.28	4.20	7.10	2.27	5.06	3.34	40.96	
March	1.03	4.14	3.13	3.45	1.37	3.24	3.62	1.78	5.34	4.05	31.25	
April	5.46	6.41	4.48	3.00	5.61	2.48	4.82	.50	8.56	3.68	36.30	
May	4.56	3.57	2.27	3.55	1.66	3.24	2.11	2.87	1.91	2.98	28.72	
June	4.25	1.85	4.17	2.25	5.32	6.31	2.14	5.75	4.27	1.83	38.14	
July	3.04	7.21	2.39	2.36	1.32	5.84	2.26	4.83	7.53	3.98	40.76	
August	7.78	3.08	1.51	6.09	1.74	1.27	.85	3.87	2.62	1.18	29.93	
September	5.63	4.90	1.47	3.20	8.56	5.99	1.91	2.11	1.35	4.89	40.01	
October	2.98	9.15	5.50	7.92	9.53	3.99	3.71	9.06	4.12	6.53	62.49	
November	9.61	4.21	1.77	2.56	6.50	7.08	1.67	7.16	9.82	9.37	59.75	
December	3.06	4.08	1.57	8.18	3.59	8.28	3.68	5.58	4.07	3.41	45.47	
TOTALS	59.35	56.13	36.18	48.55	55.88	59.01	39.18	54.04	57.42	47.59	513.83	KM.
	D	D	D	D	D	D	D	D	D	D		
								80	110	118	97	

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

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

Station No. T.F. 4798

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RAINFALL at River Alwen (Alwen Dam) *deed Oct 1944*

County of Denbigh
River Basin I-Dre
Type of Gauge Standard

Observer R. F. Baker Esq. C.E.
E. G. Hartson Esq. C.E.
W. K. Lewis Esq. BSc. Mace (IV. 52)

Annual Average 49.1 in. based on years obs. un-weighted. Period of average 1881 - 1915 Ref L.W.S.

File No. b60551 12

Diameter	5			S43	S08						
Height	10				1						
Altitude	1189				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	319	6.53	7.44	7.47	4.98	7.41	5.53	11.60	4.11	2.29	61.05
February	5.68	2.43	4.28	2.85	6.26	8.72	1.77	4.00	2.77	7.72	46.48
March	14.20	3.19	1.82	1.41	1.95	1.71	6.84	2.81	2.87	2.79	29.59
April	1.57	2.85	2.68	1.71	3.49	1.28	5.92	2.79	5.21	5.79	38.29
May	3.79	4.45	5.04	2.17	4.99	3.06	3.89	1.22	3.77	2.43	34.81
June	0.87	0.64	4.12	2.93	4.53	5.23	3.02	6.56	.77	1.88	30.55
July	1.73	4.74	3.71	3.10	2.66	2.41	3.32	2.55	3.13	3.64	30.29
August	6.63	5.04	5.30	3.00	2.32	6.70	0.55	4.91	3.14	6.85	44.44
September	1.21	4.41	6.55	6.53	2.96	5.68	2.44	3.44	1.33	10.52	45.09
October	6.88	4.00	5.34	7.50	6.57	1.54	0.63	3.17	8.43	4.63	48.69
November	3.46	1.58	4.69	9.38	0.92	7.16	7.17	4.00	7.15	6.03	51.54
December	3.56	6.43	2.91	6.52	6.06	6.05	4.25	7.06	8.75	5.71	57.30
TOTALS	42.77	46.29	53.88	54.87	47.69	57.45	45.33	54.11	50.45	60.28	513.12

37 94 10 10 7 10 10 10 10 10 10 10

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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

Station No. 4298

RAINFALL at River Alwen (Alwen Dam).

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County of Denbighshire

Observer J.W.K. Lewis Esq. B.Sc M.I.C.E.

River Basin 1 - Dee

Type of Gauge Snowdon

Water Engineers Birkhead

Annual Average 49.1 in. based on years obs. unweighted. Period of average 1881-1915 Ref. 1405.
 " 52.82 " 31 " within 1925-57. " " " 1916-50
 File No. 660551/26

Diameter	5"	543		508								
Height	1'0"					1						
Altitude	1189'					51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	473	7.70	1.59	4.21	4.81	5.62	6.39	5.44	6.19	8.22	55.60	
February	4.96	2.07	2.89	4.25	4.47	4.12	4.81	8.90	0.85	5.80	40.12	
March	6.84	1.62	2.87	3.81	2.34	2.86	3.25	1.55	2.74	2.33	29.61	
April	4.52	2.66	4.43	1.26	1.90	2.60	0.97	1.47	6.25	2.50	28.56	
May	3.36	3.48	2.44	6.04	6.58	1.28	2.43	4.02	2.47	1.90	34.00	
June	1.72	2.36	3.62	3.72	3.95	2.64	1.12	4.43	2.40	1.63	27.59	
July	1.97	1.20	5.09	5.00	1.08	5.62	7.19	4.64	4.41	3.88	39.98	
August	2.35	4.82	4.31	6.10	1.64	8.31	9.73	3.72	1.30	3.90	51.18	
September	5.56	6.16	6.25	5.71	2.41	4.06	7.77	7.23	0.29	6.42	51.88	
October	2.16	7.95	2.34	9.98	4.31	3.96	5.08	4.57	6.45	5.58	52.14	
November	9.29	3.88	5.90	9.73	2.64	2.73	2.82	2.58	6.32	10.29	56.08	
December	9.34	5.85	2.01	6.43	6.30	4.77	4.28	3.84	9.91	5.41	57.14	
TOTALS	61.50	49.75	43.74	65.24	42.39	45.19	55.84	52.39	49.98	57.86	523.88	
	D	D	D	D	D	D	D	D	D	D	D	10

Transected 21-3-56 N.W. Dells. Gauge stand, topa measure. Etc off E. Newly planted firs trees will protect at first 3m of gauge 3-5 years. Recommended moving trees back.

Position of Station on Ordnance One-Inch map :			No. of Map	108	National Grid Reference	23/955688
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

V108

Record D. or d	1910-19	1923-30	1931-40	1941-50	1951-60
	1925-30 D	1925-30 D	D	D	