

RAINFALL at R. ALWEN (ALWEN DAM)County of DENBIGHObserver R. E. BAKER CSRiver Basin DEE I.Birkenhead W.SNOWDON Rain Gauge, by  
M. O. (127)

Diameter ...						5						
Height .....						1.0						
Altitude ...						1189						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930.	
January ...						3.41	6.29	5.93	10.95	1.47	7.68	
February ...						8.68	3.12	3.02	7.54	1.00	.64	
March .....						2.23	2.61	5.74	3.14	.56	2.89	
April .....						4.43	2.57	2.86	1.44	1.51	4.18	
May .....						4.65	3.49	2.69	2.46	2.43	1.77	
June .....						.03	2.34	6.43	6.97	2.27	1.51	
July .....						2.21	6.22	2.78	2.01	3.87	6.25	
August .....						3.04	4.70	8.25	4.39	5.38	6.09	
September...						6.14	4.96	6.23	2.81	2.37	4.92	
October .....						6.51	4.42	7.39	8.32	7.00	8.94	
November...						3.53	7.56	5.85	10.24	8.41	7.94	
December...						7.23	2.22	1.49	4.44	11.85	7.75	
TOTALS...						52.09	50.50	58.71	64.71	48.12	60.56	
						D	D	D	D	D	D	

Inspected September 1928 see given 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	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1925	53° 3' 35"	3° 33' 20"						

RAINFALL at River Alven (Alven Dam)County of Denbigh Observer R.F. Baker, G.E.River Basin 1-DeeType of Gauge M. O. Standard (130)Annual Average in. based on years obs. un-weighted. Period of average Ref

660 551/26

Diameter	5											
Height	1.0											
Altitude	1189											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	6.25	7.42	5.51	5.53	3.40	6.99	5.31	2.26	8.97	2.35	5939	
February	5.70	14	5.41	4.6	7.28	4.20	7.10	2.27	5.06	3.34	4096	
March	1.03	4.14	3.13	3.45	1.37	3.24	3.62	1.78	5.34	4.05	3125	
April	5.46	6.41	1.48	3.00	5.61	2.48	4.82	.50	2.56	3.68	3630	
May	4.56	3.57	2.27	3.55	1.66	2.24	2.11	2.87	1.91	2.98	2872	
June	4.25	1.85	4.17	2.25	5.32	6.21	2.14	5.75	4.27	1.83	3814	
July	3.04	7.21	2.39	2.36	1.32	5.84	2.26	4.83	7.53	3.98	4076	
August	7.78	3.08	1.51	6.09	1.74	1.27	.85	3.87	2.62	1.18	2999	
September	5.63	4.90	1.47	3.20	8.56	5.99	1.91	2.11	1.35	4.89	4001	
October	2.98	9.15	5.50	7.92	9.53	3.99	3.71	9.06	4.12	6.53	6249	
November	9.61	4.21	1.77	2.56	6.50	7.08	1.67	7.16	9.82	9.37	5975	
December	3.06	4.06	1.57	8.18	3.59	8.28	3.68	5.58	4.07	3.41	4547	
TOTALS	59.35	56.13	36.18	48.55	55.88	59.01	39.18	54.04	57.12	47.59	51383	km.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

Station No. T.F. 4298

RAINFALL at River Alwen (Alwen Dam) ✓ 41

County of Denbigh

Observer

R. F. Baker Esq. C.E.

River Basin 1-Dan

E.G. Hutson Esq. C.E.

Type of Gauge Siphon

W.K. Lewis Esq. B.Sc. M.C.E. (14.52)

Annual Average 49.1 in. based on years obs. unweighted. Period of average 1881 - 1915 Ref. 1 W.S.

File No. 660.55/26

Diameter	5				543	508						
Height	10					1						
Altitude	1189					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
January	3.19	6.53	7.44	7.47	4.98	7.91	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	4.20	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	5.31	5.79	33.29	
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	2.13	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	10

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.

BRITISH RAINFALL ORGANIZATION



Station No. 4298

RAINFALL at River Alwen (Alwen Dam)

51

County of Denbighshire

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

River Basin 1 - Dee

Type of Gauge Snowden

Water Engineering Directorate

Annual Average 49.1 in. based on years obs. 1881-1915 Ref. 145.  
" 52.82 " 31 " within 1925-57. " " 1916-50  
File No. 6.60.5.5.1.7.6

Diameter ...	5"				543	508						
Height ...	1'0"					1						
Altitude ...	1189'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	4.73	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	1.12	4.81	8.90	0.85	5.80	40.12	
March ...	6.54	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	5.52	7.19	4.64	4.41	3.88	39.98	
August ...	7.35	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	4.37	3.96	5.08	4.57	6.25	5.58	52.14	
November ...	9.29	3.88	5.90	9.73	2.54	2.73	2.82	2.58	6.32	10.29	56.08	
December ...	9.34	5.85	2.01	5.43	6.30	4.77	4.28	3.84	9.91	5.41	57.14	
TOTALS ...	61.50 D	49.75 D	43.74 D	65.24 D	48.39 D	45.19 D	55.84 D	52.39 D	49.98 D	57.86 D	523.88	10

Inspected 2.31.3.56 Mr. Deeks. Gauge found, steps measure. Site of E. Newly planted fir trees will protect at first. Plan of gauge 3-5 years. Recommended moving trees back.

Position of Station on Ordnance One-Inch map :

No. of Map 108

National Grid Reference 23/955528

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		1925-30 D	D	D	