

80

4295/4

RAINFALL AT Pendinas Reservoir

Lat. _____

Lon. _____

County of Dewich

Rain Gauge, by _____

Observer Byrns & Co**

Diameter . . .											
Height											
Altitude . . .						1249'					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . .											
February . . .											
March											
April											
May											
June											
July											
August											
September . . .											
October											
November . . .											
December . . .											
TOTALS . . .						3676	3369	3438	4014	3854	

* Record obtained by Y. S. C. Ashmore, examined, & supplied to MD3 b. 12/1954

(263) fE. 16320/53.

Ann. values only available up to 1901, then monthly.

RAINFALL at Pendinas Res.

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County of

Observer Baymo Water Co.

River Basin

Type of Gauge

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

Diameter											
Height											
Altitude											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Means
January		3.57	2.42	6.72	4.52	1.99	5.72	1.59	2.06	2.98	
February		1.86	1.93	3.53	5.08	1.99	3.02	1.88	2.86	1.25	
March		4.23	2.86	6.51	3.30	5.33	2.61	1.59	4.34	3.30	
April		2.97	3.10	2.64	1.81	4.18	1.13	3.77	4.99	3.59	
May		1.63	5.14	5.11	3.22	1.17	3.82	3.36	3.81	1.38	
June		2.75	1.89	2.24	2.02	4.20	1.41	4.93	3.14	5.08	
July		3.27	1.99	5.55	2.46	3.35	1.80	2.37	4.88	4.38	
August		3.06	4.43	5.33	6.01	6.72	3.18	3.82	4.99	3.93	
September		1.21	2.20	6.11	2.91	2.46	1.21	1.06	4.93	4.70	
October		3.92	5.69	11.39	1.75	3.46	5.84	9.80	3.04	5.09	
November		3.75	3.18	4.15	2.31	5.49	3.65	3.42	2.58	1.73	
December		5.63	4.24	3.53	3.40	1.07	4.04	3.73	3.33	4.89	
TOTALS	42.45	37.85	39.07	62.81	38.79	40.41	36.43	41.32	44.95	42.30	

* Record obtained by L. S. C. Ashmore, examined, part estimated, & supplied to M.O.B. 1901-2, All monthly totals approximate. 1895-1900 - Ann. totals only. 2/54.

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

RAINFALL at Pendine Res

County of

Observer Brynmor Wat. Co.

River Basin

Type of Gauge

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

Diameter											
Height											
Altitude											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means
January	2.75	.80	4.56	4.05	2.29	4.81	2.47	(2.41)	2.88	4.02	
February	4.08	2.48	(3.37)	1.79	(4.11)	5.90	3.96	(1.70)	3.28	(2.58)	
March	1.50	1.95	5.05	5.18	(3.57)	1.54	(3.53)	(3.44)	1.38	(6.70)	
April	(3.70)	1.52	.54	4.72	1.27	2.22	2.38	3.03	2.48	3.42	
May	3.01	.81	3.00	3.86	2.78	3.00	4.12	3.78	4.02	1.30	
June	3.82	4.32	(4.92)	2.22	2.84	.72	(2.43)	2.57	2.21	2.86	
July	3.80	1.18	4.00	2.27	5.68	5.02	2.03	2.91	3.59	2.37	
August	4.58	3.51	8.00	2.70	(2.68)	4.00	(2.59)	8.66	2.95	4.30	
September .....	.90	(4.30)	2.28	2.35	2.81	1.06	3.99	1.42	8.40	3.19	
October	4.87	3.77	(4.61)	5.14	2.05	(3.08)	7.20	6.44	2.61	5.73	
November	5.91	4.41	3.36	4.07	4.43	3.10	3.68	3.76	3.55	2.79	
December	7.25	7.20	4.42	2.61	9.17	7.90	2.30	(2.13)	6.72	(6.78)	
TOTALS	46.17	36.25	(48.11)	40.96	43.68	42.35	(40.68)	(42.25)	44.07	(46.04)	

Back record - see earlier 10 yr sheets. - per S.E. Ashmore 1/1/54.

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

RAINFALL at Pendinas ReservoirCounty of DerbyshireObserver Raynolds Water Co.River Basin 1 - dleaType of Gauge M.O.

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

42161435

Diameter	.....	.....	.....	.....	.....	.....	5"	.....	.....	.....	.....	.....
Height	.....	.....	.....	.....	.....	.....	0' 6"	.....	.....	.....	.....	.....
Altitude	.....	.....	.....	.....	.....	.....	1249'	.....	.....	.....	.....	.....
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means 1920	
January	4.15 (4.39)	4.41	3.11	(3.30)	4.02	4.00	(4.64)	6.83	(1.80)	5.62		
February	2.97 (1.22)	3.33	(7.15)	1.50	6.52	2.60	2.70	4.27	4.6	.80		
March	5.34 (2.77)	2.66	1.95	(1.60)	1.30	.76	6.05	2.45	1.6	2.67		
April	7.13 (1.15)	3.77	3.48	2.97	3.91	1.62	(4.57)	1.95	1.24	3.73		
May	4.73 2.30	(1.26)	5.03	6.15	(3.33)	3.80	1.81	2.16	2.78	1.91		
June	3.26 .55	3.13	2.13	2.12	.15	2.30	7.25	4.82	3.29	1.90		
July	6.71 1.39	4.42	(2.72)	6.07	3.17	5.42	5.49	1.93	2.52	5.26		
August	2.80 3.73	(4.10)	4.39	5.00	4.75	3.21	8.22	4.24	4.33	5.56		
September	3.02 1.35	(4.33)	3.71	5.53	5.27	3.29	5.25	3.09	1.82	5.14		
October	4.24 3.29	.96	6.75	4.56	5.11	3.32	(5.04)	6.20	5.62	5.81		
November	1.43 3.63	(2.25)	3.63	3.52	4.37	7.64	6.58	7.16	6.67	5.48		
December	3.44 5.14	(5.62)	6.05	5.22	4.01	1.45	(3.20)	3.16	7.81	5.30		
TOTALS	49.22 (30.91)	(40.24)	50.10	47.54	45.91	39.61	(60.80)	49.08	39.09	51.19		

Back years 1895 - Dec 1940 and 11/49. Reasonable except that totals in distinct for 1927 are so much that there must be a little doubt concerning this year. TH Rowell 11/49

Back record 1895 - Jan. 1926 supplied by S.E. Ashmore 12/54, also revised monthly values up to Dec. 1953, shown in red. (Brackets indicate uncertainty - show etc). Accepted by R.G. Grundy.

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

RAINFALL at Pendinas Reservoir

County of Denbigh

Observer Danglo Water Co.

River Basin 1- Dee

Type of Gauge m.o.

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

400

421614/35

Diameter	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....
Height	.....	.....	.....	0.6	.....	.....	.....	.....	.....	.....	.....
Altitude	.....	.....	.....	1249	.....	.....	.....	.....	.....	.....	.....
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.88	4.29	3.03	3.02	2.34	4.40	5.46	4.64	(7.26)	(3.02)	
February	(4.44)	.16	3.40	3.5	4.11	(6.97)	1.16	3.46	(3.57)		
March	.96	2.72	2.71	2.99	.43	3.37	(3.94)	3.05	2.28		
April	4.50	5.29	1.41	4.38	3.07	2.79	4.68	2.65	3.71		
May	4.79	4.26	1.47	2.44	1.89	2.00	2.76	4.90	2.12	2.22	
June	4.91	1.27	2.53	1.56	4.12	5.32	1.25	3.71	2.21	1.19	
July	3.11	6.89	1.89	2.88	1.33	5.84	1.96	3.82	6.59	4.00	
August	8.19	2.40	1.67	3.78	1.47	1.29	1.06	4.75	2.87	.94	
September	6.03	3.29	(1.40)	1.95	5.42	3.99	1.65	1.20	.96	3.03	
October	2.05	6.66	4.55	4.53	6.48	2.39	4.51	4.55	5.04	5.36	
November	7.55	2.72	2.27	2.48	7.11	4.98	2.35	4.82	6.21	8.26	
December	1.97	1.97	1.05	7.45	4.69	5.17	(3.34)	5.06	2.50	(2.44)	
TOTALS	52.38	41.92	27.94	37.81	42.96	44.53	(39.93)	40.16	45.06	(40.02)	

1934 S in Watling River 1843' O.D. 2 mls S.W. Ruins of a shooting box.

1940 January estimated for snow.

Back-cast 1931-33 need 12/49. Reasonable.

B.A. Rowell. (1936-30 no appropriate work)

Revised 1936-33 as file.

Red figures - revised monthly totals supplied by S.E. Ashmore 12/1954. (Brackets indicate uncertainty - snow estimation, etc.) Examined & accepted by Mr. Grimley.

Aug. 1935 - New gauge.

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.
1934			Wrexham	6 mi	E	Minera	2½ mls	E
(Directions checked by map)								

Station No. 4295/4

RAINFALL at Pendinas Reservoir

41

County of Denbigh

Observer Baynko Water Co.

River Basin 1 - Dee

Type of Gauge M.O.

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

File No. 42.16.14/35

Diameter	5				547	053					
Height	1' 0"					1' 0"			1' 0"		
Altitude	1249					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(6.40) 3.60	(4.60) 3.05	5.69 5.65	4.29 4.24	(3.40) 2.72	4.59 3.78	3.80 3.78	10.48	2.95	1.66	
February	4.71 3.71	2.05 2.38	(3.09) 2.37	(1.78) 1.39	3.99 3.99	5.79 5.79	(8.04) 2.26	2.35 2.26	1.64	5.96	
March	3.45	2.05 (2.33)	1.33	1.19	1.23 1.14	1.94 1.94	(8.70) (8.21)	1.98	2.85 2.84	1.89	
April	2.14	2.21 4.03	1.74	2.07	2.16 2.31	68 0.82	3.89 3.89	2.90	3.63	4.40	
May	3.25	3.89 4.03	3.34	2.53	3.36 2.57	3.58 4.80	4.60 4.60	1.99	3.49	1.74	
June	0.89 0.82	0.43 0.67	2.82	2.54	2.85 2.73	4.18 4.17	3.08 3.01	5.11 4.52	0.84	1.42	
July	2.41	3.25	2.67	1.86	2.48	2.68	4.19 4.26	3.78 3.56	4.22	2.86	
August	4.29 0.84	3.92 2.74	2.99	2.33	2.95	7.06	0.62	3.93	2.00	4.84	
September	0.62	2.53 2.69	5.90	5.12	2.02	5.63	2.73 2.43	2.50 2.48	1.69	6.07	
October	3.89 0.66	2.43 2.45	3.94	5.50	5.78	2.08	2.15 1.20	2.44 2.33	5.21	3.52	
November	3.95 0.91	1.42 1.39	3.77	7.10	0.71 75	6.63	4.77	3.06	5.83	5.00	
December	2.17	6.32 5.18	1.79 1.62	2.84	4.71 4.67	5.08	3.64 2.91	5.20	4.14	3.04	
TOTALS	38.19 23.81	33.22 32.05	39.76 38.74	39.19 38.64	35.79 34.75	51.65 49.41	44.46 43.59	45.72 44.69	38.48 38.48	12.44 12.44	

1941 Jan. sold. Sir Watkins West 1, 843. O.D. 2 m SE (Remains of shooting box)

1947 Feb. 9 man. used for snow

1947 Pt. of gauge above ground is 1' 0". See one L9A, fl. 421614/35

1949 Gauge has been at 17 ft since 1935 (See one L4A, fl. 421614/35)

1942 Correction in new trade as result of letter (20.10.41) from S.E. Admin. - further amended at 260 FK 16320/53.

40004 50004 20004 20004 40004 30004

Red figures - revised monthly totals supplied by S.E. Admin. 1952. (Brackets indicate uncertainty - snow estimations etc.) Examined & accepted by Mr. Grindley.

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			Wrexham	6 mi	E.	Meirwa	2 1/2 mi	E.

BRITISH RAINFALL ORGANIZATION

Wrexham W.W. Station No. 429.5/4
RAINFALL at (Pendinas Reservoir) **51**
 County of Denbighshire Observer Brynko Water Co.
 River Basin 1-D Engineer
 Type of Gauge H.O. Measurement

Annual Average in. based on years obs. un-weighted. Period of average
 " 42.10 " " 34 " " 1911-1946-57. " " 1916-50 67794.28 Ref.
 File No. 429.5/4

Diameter ...	5"				547	053						
Height ...	1' 0"					1						
Altitude ...	1249'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	2.46 (4.01)	1.16	3.19	3.16	5.39	2.83	4.11	5.73	7.00			
February ...	4.85 0.98	2.69	3.32	3.35	0.95	3.95	5.79	1.60	5.82			
March ...	6.42 0.99	1.37	2.69	3.27	2.70	2.26	1.96	2.35	2.98			
April ...	2.36 2.09	3.49	1.12	1.62	2.38	0.53	1.19	5.64	2.35			
May ...	4.28 3.88	3.05	3.78	4.76	0.82	2.32	3.16	2.35	2.14			
June ...	1.84 1.46	2.71	4.16	4.26	2.62	1.30	4.99	2.46	1.68			
July ...	2.13 2.20	4.01	3.50	0.49	5.16	6.84	4.15	3.42	3.47			
August ...	5.33 3.15	2.87	5.47	1.16	8.23	6.97	3.20	1.39	4.37			
September ...	3.21 4.45	3.81	3.50	2.25	3.69	9.62	4.80	0.29	6.28			
October ...	1.40 7.06	1.64	6.31	2.79	2.36	3.55	3.36	4.90	9.71			
November ...	9.68 3.58	2.90	9.03	3.12	1.88	3.12	1.86	5.74	7.45			
December ...	5.52 (4.57)	1.73	4.00	4.55	4.79	2.86	3.99	8.41	11.47			
TOTALS ...	65.48 38.42	31.43	50.07	34.69	40.97	46.15	42.56	44.28	57.72			10

1951 Sir Watkin Jones 1,841' 2nd SE. *1955 Taken over by Wrexham W.W. (August) - Name
 1954 Mr. Ashmore states that this station is about 500 yds from Bulchguyn & is looked after by his Bulchguyn observer
 Inspected 12.10.55 Mr. Dicks. Gauge small, found tilted & re-levelled. (After rain) (After rain)
 springs present but top of small slope had. Re-levelled now 305.6 (level ground).
 40084

1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 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