

81

4295/6

RAINFALL AT Nantyffrith Reservoir

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer

Baynbo Water Co.*

Diameter . . .												
Height												
Altitude . . .								1038'				
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								33.23	32.58	34.69		

* Record obtained by Mr. S. L. Ashmore, examined & supplied to M.O.S.B. (2/1952. (26/3) fE 1632053.
 An. values to 1902 then monthly.

RAINFALL at *Nantlifford Res.*

County of

Observer *Bryanto Water Co. **

River Basin

Type of Gauge

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

Diameter												
Height												
Altitude	<i>1038'</i>											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Means	
January				5.77	3.68	.82	(4.87)	1.48	(1.51)	2.50		
February				3.24	4.37	1.69	2.44	1.57	(2.54)	1.12		
March				5.94	2.80	4.73	1.92	1.48	3.83	3.26		
April				2.14	1.44	3.68	1.01	(3.00)	4.68	3.13		
May				4.34	2.43	.94	3.22	(2.94)	(3.90)	1.38		
June				1.67	1.51	3.84	(1.25)	(4.15)	2.72	4.42		
July				4.37	1.99	(3.24)	(.68)	(1.97)	4.36	3.48		
August				4.96	5.19	5.55	2.47	(3.20)	4.60	3.48		
September				5.22	2.08	2.03	.97	.71	4.12	4.03		
October				10.02	1.49	3.05	4.83	8.62	3.30	(4.65)		
November				3.36	2.06	4.67	(3.20)	3.09	2.49	1.41		
December				2.98	2.55	.74	(3.47)	3.32	2.98	4.53		
TOTALS	39.02	33.79	32.89	54.01	31.59	34.98	(30.33)	(35.53)	(41.03)	37.39		

*Record obtained by Mr. S. E. Achmore - see Pendine Res. also. 4295/4.

370.56

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 Nantyrith Res.

County of

Observer Brynmor Lake Co.*

River Basin

Type of Gauge

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

Diameter											
Height											
Altitude	1038										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means
January	(2.36)	.61	4.41	(3.99)	2.12	4.80	2.20	(2.28)	2.42	3.34	
February	3.73	2.31	(2.75)	1.64	(3.57)	4.99	3.37	(1.50)	3.07	(2.32)	
March	(1.47)	1.65	4.23	(4.61)	(3.06)	1.21	(3.20)	(3.25)	1.35	(6.54)	
April	(3.54)	1.47	(4.2)	(4.50)	1.15	2.04	(2.45)	(2.80)	2.37	2.84	
May	2.76	.79	2.90	3.21	(2.43)	(2.45)	3.50	3.57	(4.21)	1.10	
June	(3.36)	3.42	4.23	1.53	(2.31)	.93	(2.20)	2.26	(2.84)	2.35	
July	(3.11)	.90	3.18	2.12	5.27	4.05	1.60	2.50	(2.97)	2.00	
August	4.16	2.75	7.04	(2.23)	(2.00)	3.76	(1.94)	8.08	(2.78)	3.77	
September	.79	3.70	(2.37)	1.70	2.78	.92	3.81	1.50	(8.09)	2.64	
October	4.03	3.46	3.94	4.60	1.73	(2.97)	6.40	6.01	(2.52)	5.53	
November	(5.97)	3.97	3.10	2.92	4.30	3.38	3.44	3.43	(3.30)	2.41	
December	7.53	(7.01)	4.11	2.19	8.15	6.78	2.05	(1.90)	(6.37)	(5.59)	
TOTALS	(42.81)	32.04	(42.63)	(35.24)	(38.87)	38.28	(36.16)	(39.08)	(41.51)	(40.43)	

Back record - see earlier 10yr sheet - per S.G. Ashmore.*

385.70

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 Nantyllyth ReservoirCounty of DenbighObserver Brynmor Water Co.River Basin 1. dleeType of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

Diameter							5"					
Height							0' 6"					
Altitude							1040'					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means	1920
January	3.38	(3.87)	3.88	2.83	(3.01)	3.83	4.00	4.26	6.45	(1.70)	5.51	
February	2.35	(1.86)	3.06	(7.62)	1.41	6.29	2.56	2.84	2.35	4.11	2.88	
March	(4.49)	(2.24)	2.27	1.75	(1.52)	1.18	.76	5.51	2.76	.14	3.97	
April	5.99	(.97)	3.17	3.90	2.78	3.77	1.48	4.31	1.99	1.20	3.79	
May	3.40	2.10	.64	4.97	(5.86)	2.83	3.64	1.61	1.99	2.55	1.90	
June	(2.74)	.48	2.86	1.80	2.16	.14	2.32	7.51	4.42	2.84	1.42	
July	5.42	1.18	3.91	(2.31)	6.18	2.83	4.85	4.24	1.72	2.33	4.68	
August	2.72	3.40	(3.72)	(4.19)	4.83	4.03	3.00	(7.85)	3.86	3.68	5.01	
September	2.59	1.09	(3.46)	(3.55)	(5.65)	4.61	2.96	4.83	2.82	1.57	5.25	
October	4.00	2.80	.76	(6.04)	4.44	4.90	3.21	4.50	5.38	5.24	5.39	
November	1.20	3.74	(1.91)	(3.43)	3.26	4.51	7.47	6.55	6.58	5.91	5.17	
December	3.36	4.51	(5.12)	5.51	4.79	3.84	1.25	(3.12)	2.62	7.22	5.07	
TOTALS	41.64	(27.74)	(34.76)	(47.90)	(45.87)	42.76	37.45	56.65	44.77	35.14	48.00	

Back years for 1920 - Dec 1920 and 11/49 (See note on 4295/6 which also applies here)

H. Rowan. 11/49

1920-20
462.68

Back record 1897 - Jan. 1926; also revised monthly totals up to Feb '53, supplied by R.E. Ashmore - see Pendinas sheet.

Values adopted by H. Rowan

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 *hentiffith Reservoir*County of *Gloucester*Observer *Burns water Co.*River Basin *1-522*Type of Gauge *in O.*Annual Average *57.5* in. based on *C 1934* years obs. un-weighted. Period of average *f 1216 14/35* Ref.

Diameter	.....	.....	.....	5"	.....	.....	.....	.....	.....	.....	.....
Height	.....	.....	.....	6"	.....	.....	.....	.....	.....	.....	.....
Altitude	.....	.....	.....	1038' 1040'	.....	.....	.....	.....	.....	.....	.....
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....	3.71 3.41	3.65	2.50	2.74 2.10	2.23 2.72	4.28 4.76	4.59 4.72	4.06 3.91	(7.21) 4.23	(2.95) 3.36	
February	.....	4.12 3.41	.13 2.63	(3.29) 2.63	.38 4.07	3.01 2.05	(6.41) 5.43	1.15 1.24	(3.32) 3.17	(3.43) 3.22		
March	.....	.98 2.21	2.20 2.20	2.45	3.15 .98	2.93 2.30	(3.74) 2.63	1.05 1.04	2.93 3.09	3.26 3.02		
April	.....	3.99 4.33	4.36	1.27	3.97 3.18	(3.34) 3.18	2.60 2.63	.36 2.44	2.68 2.68	3.62 3.22		
May	.....	4.20 4.20	3.96	1.79	2.23 1.78	1.69 1.58	2.67	3.39 3.12	1.94 2.06	2.12 2.12		
June	.....	4.56 4.56	1.17 1.17	2.14 2.77	1.47 3.77	4.39 4.30	1.02 1.00	3.11 3.39	2.07 2.11	1.06 1.02		
July	.....	2.97	6.43	1.47	2.49 1.11	5.21 1.51	1.91 1.73	3.42 3.44	6.49 6.41	3.70 2.82		
August	.....	7.89	2.47	(1.48)	3.37 1.09	.96 1.02	1.11	4.06 4.07	2.67 2.67	.92		
September	.....	5.69	3.10	1.17 1.14	1.56 1.24	4.51 4.20	3.48 2.54	1.56 1.44	.81 .81	.79	2.75	
October	.....	1.81	6.62 6.22	4.32 4.12	4.13 4.00	5.93 5.84	2.18 2.00	4.34 4.07	3.93 3.86	4.77 4.59	4.87 4.86	
November	.....	6.81 (1.66)	2.30 2.44	2.19 2.14	2.29 2.52	6.55 6.37	4.47 4.39	2.17 2.25	4.59 4.30	5.90 5.88	7.91 7.22	
December	.....	1.62	1.72	1.00 .46	6.88 6.29	4.42 3.92	4.74 4.00	(3.32) 2.53	4.70 4.37	2.48 2.55	(2.33) 1.70	
TOTALS	.....	48.52 44.67	38.12 37.37	25.07 24.64	34.66 30.10	39.78 35.2	39.94 38.71	36.93 34.62	34.93 31.24	43.30 40.23	39.12 37.02	

Sir Watkin's Tower 1843' O.D. 3 miles SW Ruins of a shooting box.
1940. Jan to Feb. cold for snow.

Each year 1931-33. actual 12/49. Reasonable. otherwise, (1926-30 in appropriate book).
Rain day 1926-33 in file.

Red figures - revised monthly totals supplied by S.E. Ashmore 12/1936. (Brackets indicate uncertainty - snow estimations, etc.) Examined & accepted by Mr. Crundley.

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	6m	NE	Trinera Directions checked	2m	NE

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

Station No. 129516

RAINFALL at Nant-y-ffith Reservoir

41

County of Denbigh

Observer Brynab Water Co.

River Basin 1-Den

Type of Gauge M.O.

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

C1924

File No. 42.16.14.35

Diameter	5				547	796					
Height	1' 0"					1' 0"		1' 0"	0' 6"		
Altitude	1040.					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(6.30) (3.50)	(4.43) 2.81	5.39 4.64	4.29 1.80	(3.45) 2.68	4.31 4.06	3.60 3.58	10.37 9.50	2.81 1.58	1.65 5.81	
February	3.95 3.55	1.99 2.29	(3.10) 2.34	(1.80) 1.41	3.80 1.41	5.52 3.71	(3.82) 2.26	2.03 2.03	1.60 1.62	5.81 4.58	
March	3.20 2.25	1.87 2.16	1.33 1.77	1.25 2.16	1.15 2.07	1.79 0.76	(8.20) (7.57)	1.99 1.99	2.86 3.59	1.83 4.22	
April	2.15 3.20	2.36 3.80	1.69 3.55	2.16 2.49	2.07 3.24	0.63 3.59	4.12 4.79	2.84 1.85	3.59 3.44	4.22 1.68	
May	0.89 0.81	0.42 0.54	2.61 2.61	2.13 2.13	2.37 2.37	3.99 2.85	2.90 4.50	4.91 4.50	0.81 4.18	1.50 2.89	
June	2.50 3.47	3.10 3.52	2.73 2.73	1.79 2.39	2.39 2.51	2.51 4.01	3.97 4.01	3.89 3.89	4.18 4.18	2.89 2.62	
July	3.98 3.65	2.15 2.15	2.95 2.95	2.17 2.17	2.84 2.84	6.70 0.60	0.60 3.96	3.96 1.97	1.97 4.48	4.48 4.48	
August	0.58 2.44	2.44 5.88	5.88 4.99	1.88 1.88	5.19 5.19	2.12 2.12	2.43 2.43	(1.68) 5.98	5.98 5.98	5.98 5.98	
September	3.67 2.31	2.31 4.00	5.11 5.11	5.58 5.58	2.04 2.04	1.18 2.38	2.28 2.28	5.12 5.12	3.40 3.40	3.40 3.40	
October	3.74 2.12	1.27 5.06	3.71 1.78	6.80 2.63	0.66 4.86	6.25 4.86	4.53 2.89	2.72 4.07	5.80 3.89	4.80 3.21	
November	2.12 3.64	5.06 3.25	1.78 3.79	2.63 3.79	4.86 3.79	4.86 4.86	2.89 4.86	4.07 4.86	3.89 4.86	3.21 4.86	
December	36.40 32.64	33.21 30.25	39.11 37.95	38.20 37.52	34.46 32.60	48.80 47.10	42.51 41.67	44.72 41.94	37.76 37.66	41.55 41.10	
TOTALS	36.40 32.64	33.21 30.25	39.11 37.95	38.20 37.52	34.46 32.60	48.80 47.10	42.51 41.67	44.72 41.94	37.76 37.66	41.55 41.10	

941 Jan. 1941. Sir Watkins Tower, ruins of shooting box, 1834, 0.2 3mils away

1947 Feb. 1947. snow. 1947 ft. of gauge above ground is 1' 0". See on 499, ft. 42.61/35

1949 C. has been at 1 ft. since 1937 (see on 614 ft. 42.61/35)

1942 correction in red made on result of letter (20.12.42) from S.E. Nelson - see note for Rendlesham Res 4275/4. re further revision of records - 12/54. Values accepted.

40004

50004

20004

40004

30004

00104

Trans. missing Nov. Dec. 1945 Jan. 1946. Nant-y-ffith 3.2m. suspect reading about 4.495/14 for this point

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	Parish Church.	Distance from gauge.	Direction
1941			Wrexham	6m	E	Minera	23m	E

BRITISH RAINFALL ORGANIZATION

Wrexham W.W. Station No. 429.516
RAINFALL at (Chantryfirth Reservoir) **51**
 County of Derbyshire Observer Engle Water Co.
 River Basin 1-Dee [Wrexham W.W.] Took over responsibility Aug 55.
 Type of Gauge M.O. Mk II (anisobaric) Name adapted to be in accord with their other stns.]

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

File No. 67874/26
 429.516

Diameter ...	5"					547	796				
Height ...	1' 0"	0' 6"			1'		1				
Altitude ...	1040'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.63	3.87	1.18	3.21	3.13	5.59	2.77	4.14	5.25	7.47	
February ...	4.86	1.01	2.76	3.47	3.37	0.97	3.70	5.93	1.34	5.47	
March ...	6.35	0.98	1.29	2.85	3.37	2.71	2.17	1.94	2.23	3.18	
April ...	2.35	2.17	3.54	1.12	1.64	2.55	0.54	1.22	5.58	2.49	
May ...	4.18	3.75	3.03	3.82	4.70	0.88	2.18	3.22	2.58	2.05	
June ...	1.80	1.51	2.78	4.15	4.27	2.32	1.35	5.12	2.99	1.72	
July ...	1.99	2.05	3.88	5.55	0.47	5.14	7.18	4.38	3.11	3.22	
August ...	5.82	2.95	2.78	5.63	1.17	8.95	6.95	3.23	1.79	4.72	
September ...	3.21	4.27	3.92	3.50	2.41	3.70	9.70	4.89	0.26	6.01	
October ...	1.41	7.16	1.63	5.95	2.84	2.34	3.55	3.36	4.38	9.01	
November ...	9.56	3.46	2.87	9.25	3.31	1.87	3.16	1.88	5.70	7.71	
December ...	5.67	4.30	1.72	4.05	4.58	4.70	2.89	4.12	8.64	3.69	
TOTALS ...	48.76	37.70	31.16	51.13	35.26	41.72	46.14	43.43	43.35	56.74	
	D	D	D	D	D	D	D	D	D	D	

Inspected 12.10.55. 5 in. deep. Gangster mining. Means certified. Site very old, on reservoir embankment. Recommended move N 70' down bank to protected spot at foot of embankment, and repair to gauge.

Annual average 39.60 in. based on 27 yrs obs. within 1920-57. 1-2 in loss. Period of average

Month 1953, 1954 revised of 89A, E 16320/53 1916-50. Ref. 5. - Rejected.
 fit 268. f. 16.32/53. S.E. Ashmore supplied revised monthly totals. 1903-Feb/53, with ann. values 1897-1902. 1958, Jan. May & Dec reported as uncertain.
 Exposure thought to be too open.

Position of Station on Ordnance One-Inch map: No. of Map 107 National Grid Reference SJ/24.35.34

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1941			Wrexham	6m E	Minera	2 1/2 E
	44014					

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		1926 inc 1927-30	1931-33 1934-39 D 1940 D	1941 - d 1942-50 - D	