

RAINFALL at Rhayader, PENNVALLEY

23

4234

10

County of Radnor

Observer Meteorological Office

River Basin Wye - 1.

(E.D. Brothwayl.)

Rain Gauge, by

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											
Altitude ...								757			
January ...								2.25	4.88	5.18	
February ...								1.10	4.37	2.94	
March								3.11	2.56	9.57	
April								2.09	1.61	3.09	
May								3.85	3.54	.75	
June								2.09	1.50	2.16	
July								2.32	4.29	1.59	
August.....								9.65	1.85	3.29	
September...								2.48	9.46	1.90	
October ...								7.87	3.70	2.65	
November..								3.62	3.66	3.57	
December...								1.81	8.74	10.12	
TOTALS ...								42.24	50.16	44.41	D

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Rhyader, Penyvalley

County of Radnor

Observer E.D. Prothero, Esq.
G Jones

River Basin wye - 1

Clerk to V.D.C.

Snowdon Rain Gauge, by Perkins & Sons
5.00 alluvia
7'21

Diameter ...	5									
Height	10									
Altitude ...	758									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	601	6.42	6.76	5.11	5.43	5.60	5.94	6.44	9.99	1.61
February ...	2.81	.33	5.68	12.66	.55	8.00	2.70	4.41	4.64	1.24
March	7.08	4.48	3.75	2.19	1.95	1.62	1.48	4.83	3.68	.29
April.....	7.53	1.45	4.36	3.46	3.88	3.72	2.66	2.76	1.89	.89
May	4.22	1.64	.87	3.75	5.82	4.08	2.39	1.69	0.80	2.88
June	9.21	.72	1.77	.59	2.20	.20	1.96	5.64	5.00	3.55
July	14.96	1.75	5.72	3.48	6.39	3.16	5.88	5.08	2.73	2.71
August	1.55	4.85	3.08	4.63	4.79	4.78	4.19	7.60	5.18	1.87
September...	2.99	1.41	4.05	4.82	7.52	8.86	2.96	4.99	1.51	1.93
October.....	5.05	1.96	1.59	9.20	5.90	5.68	4.49	3.83	6.97	6.41
November...	16.9	3.81	2.23	5.13	4.15	3.23	8.80	3.69	8.61	11.56
December...	4.36	3.77	6.48	4.03	7.53	4.35	1.54	3.43	3.78	13.00
TOTALS.	52.46	32.59	26.38	59.05	56.11	47.98	44.99	54.30	54.75	47.94
	12	10	10	10	10	10	10	10	10	10

S. aspected S. 15.7.21. S. at 11 in. S. at higher point is rather exposed reading. Slopes down gradually on all sides except E. Somewhat over-exposed.

1922 Jan 50f. h.c. 180f. n.

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
1920.	51° 53' N.				
1922	52° 0' 21" N.	3° 30' 21" E.	Rhyader	1/2 mi. NNE	NNE

RAINFALL at Rhayader (Pen-y-valley) ^{deleted 1937} M.W.R. ¹⁹³⁷

County of Radnor

Observer R. Ashton (read by Mr. Vaughan)

River Basin 1 - Wye

E.D. Prothero (M.O.)

Type of Gauge.

Annual Average 50.6 in. based on years obs. un-weighted. Period of average 1881 - 1915 Ref. S. Inst 193

485312/36

Diameter	5	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
Height	1' 0"											
Altitude	757'											
Year												
January	5.44	7.53	4.14	4.86	2.16	6.48	9.46	8.14	7.83	3.66	6247	
February	4.93	1.7	5.87	5.2	7.17							
March	1.59	3.64	3.60	4.71	1.85							
April	3.90	4.64	1.01	3.52	6.73	2.62	2.87	2.29	3.39	2.74	3288	
May	5.47	4.67	1.37	2.01	1.71	1.92	1.66	4.24	0.83	2.29	2722	
June	3.85	1.80	3.85	1.46	3.50	6.26	1.89	3.22	1.95	.66	3035	
July	3.12	5.51	2.66	1.39	4.9	6.40	2.69	3.83	7.63	4.46	3951	
August	5.04	1.71	1.40	5.14	1.44							
September	2.91	4.32	1.15	3.27	1.11							
October	2.63	3.83	.99	2.54	8.98	3.80	2.30	1.02	0.73	1.96	3157	
November	1.78	8.97	6.96	4.83	7.20							
December	8.96	4.67	1.35	1.64	5.38	5.46	1.52	7.47	10.19	11.64	61.01	
TOTALS	50.95	53.40	37.37	46.78	55.83							
	48.31	48.91	33.09	39.22	46.15	49.96	41.81	48.09	49.81	43.74	47774	
	D	D	D	D	D	D	D	D	D	D		

¹⁹³⁵ gauge leaking repaired.

Inspected Sept 1936. Site not ideal - gauge over-exposed.

Jan 1937. New wall erected round gauge

Footnote in B.R. 1937. + Station formerly known as Rhayader (Pen-y-valley)

Values July 1931 to Dec 1935 revised 9/37 - for workings see 1935 return.

Note. Values in red with ideal for all. By comparison with E.S.O. flows, new wall did not produce
ideal results for last few years.Position of Station on reduced Ordnance Survey Map, } No. of Map.....
1 mile to 1 inch Series }

Reference No.....

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

Station No. M.W.R. 4234

RAINFALL at Rhan-yader, PENYALLEY

41

County of Radnor

Observer R. Ashton, Esq. for M.O.

River Basin 1 - Wye

(read by Mr. Vaughan)

Type of Gauge

Annual Average ~~56.1~~ in. based on years obs. un-weighted. Period of average 1881-1915 Ref. S. 9 Inst. 6543

47.0

File No. 48532 35

Diameter	5			464	682						
Height	1	0				3					
Altitude	"	57					44				700
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.06	4.93	8.15	5.18	3.66	6.15	4.02	10.64	2.68	1.37	
February	4.26	0.71	4.23	1.80	4.67	8.33	1.87	2.65	2.29	9.41	
March	2.73	2.82	1.33	0.56	1.30	0.95	1.80	2.57	2.17	2.38	
April	1.41	3.40	1.17	1.61	1.76	1.46	3.75	3.50	3.99	4.17	
May	3.15	6.42	3.97	1.99	3.19	3.09	3.66	2.52	3.47	1.49	
June	1.13	1.04	2.64	1.82	(4.20)	4.86	2.24	3.52	0.68	1.47	
July	2.21	3.71	2.02	2.14	2.33	2.22	3.38	1.73	1.05	3.84	
August	5.55	3.36	4.77	2.94	3.49	5.95	0.42	3.63	2.68	6.66	
September	2.29	2.79	6.63	3.21	2.81	6.92	2.26	3.71	2.91	7.94	
October	6.36	3.83	5.56	7.36	5.22	2.45	0.71	3.64	6.72	2.50	
November	3.50	0.64	4.64	6.00	1.12	8.42	4.52	2.31	7.41	7.29	
December	3.53	6.83	2.78	1.41	5.66	5.24	4.15	9.17	8.15	3.38	
TOTALS	39.18	40.48	47.89	39.02	39.41	56.04	38.78	49.59	44.10	51.90	
	D	D	D	n.p.	D	D	D	D	D	D	

Average of 50.6 does not fit present record - it is doubtless too big from BR 43. The value of 47.0 in.
has been adopted for R.R. 1940-42

PHH n.p. low

1945 Jewell well broken down repaired 7/45.

Impacted. Inner section can't gauge leaking. Turned round by scene weak. New 5" gauge reinstalled 10.4.47.

1948. New gauge sent 1.4.48

1949 n.p. low, gauge leaking 1948 gauge leaking until new gauge sent. n.p. low.

Turf wall round gauge. X

Position of Station on reduced Ordnance Survey Map, No. of Map..... Reference No. 22-9768
1 mile to 1 inch Series

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

Station No. 4234 ✓

RAINFALL at S. Rhayader, PENYALLY

County of Radnorshire Observer R. Ashton, Esq for M.O.

River Basin 1 - Wye

Type of Gauge.

Annual Average 47.0 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.

File No. E.16066/53

51

Diameter	5"			464	682						
Height	1' 0"					1					
Altitude	157'					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	5.11	7.36	1.49	3.49	3.87	7.65					
February	5.15	2.07	3.03	4.18	2.90	.96					
March	5.83	1.72	4.30	3.91	4.26	3.03					
April	4.33	2.53	3.34	1.14	2.43	-100#					
May	3.54	3.69	1.92	3.33	5.61						
June	0.90	2.59	1.34	4.96	6.64						
July	1.97	1.90	4.37	3.47	.81						
August	4.15	4.49	4.18	5.43	1.43						
September	3.77	3.65	4.94	5.52	2.26						
October	1.07	5.99	3.14	6.30	3.79						
November	10.15	3.12	4.15	10.07	4.08						
December	5.83	6.21	1.57	5.24	5.68	-100					
TOTALS	51.80	45.32	37.77	57.04	42.76	-100					

Termination action w.r.t. March 1956 excl. SkA on file.

6

Steel wall round gauge

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 22-971673

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

Summary of Earlier Records from 10-year Sheets :

Record D or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 1917-18 - 1919 D	1920 D	D	1944-45 D 1944 NP 1945-46 D 1947-48 NP 1948 D	✓