

RAINFALL at Birmingham W.W. - Elan Valley

County of Brecon

Observer C Anthony Lees Esq

River Basin Wye 8

Rain Gauge, by

Diameter ...	5										
Height	1.0										
Altitude	400									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 Means. Totals
January ...	6.01	2.04	5.97	8.73	4.78	7.60	4.47	2.64	6.40	6.11	19.62
February ...	7.67	4.05	3.77	2.83	8.80	10.10	8.41	1.14	5.01	4.03	18.59
March	2.15	2.83	10.25	8.66	9.86	1.47	3.93	3.94	3.33	8.35	19.55
April	4.59	2.64	.78	8.53	2.67	2.07	4.69	3.28	1.93	3.61	13.51
May	3.26	1.83	1.97	3.31	3.01	3.71	4.69	4.24	3.88	.78	13.59
June.....	7.13	4.58	6.16	3.41	2.11	1.74	2.86	2.74	2.39	3.31	11.30
July	5.20	.74	4.84	1.27	5.54	6.15	2.85	1.99	4.76	1.58	11.18
August.....	6.43	7.25	11.18	1.70	3.62	4.63	4.19	12.09	2.61	4.33	23.10
September ..	.40	3.87	.90	3.62	3.17	.91	3.74	2.97	11.85	2.56	21.12
October ...	5.60	5.55	6.34	6.46	3.15	3.29	10.54	8.73	4.28	2.69	26.24
November ..	8.54	6.89	5.57	8.03	8.88	5.23	5.34	5.59	4.47	4.12	19.52
December ...	11.75	14.15	8.57	4.24	12.09	12.86	4.10	2.00	10.10	11.65	27.83
TOTALS ...	68.73	56.42	65.72	60.79	67.85	59.66	59.79	51.35	61.01	53.00	225.15

J.P.

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

RAINFALL at Birmingham, W.M. (Elan Village)

County of BreconObserver F. Wallacalby, Esq. C.E.River Basin Llyw - 8J.W. Wilkinson C.E.

Cassella insulated Rain Gauge, by
 no. 9856
 [4.99
5.00
5.01
5.02]
Sealed tested.

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	1920-1929
Height	1.0												1920-1929
Altitude ...	700												1920-1929
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			1920-1929
January ...	7.90	7.24	8.53	6.39	6.16	6.61	8.30	8.08	11.25	1.96	10.21		81.63
February ...	3.61	3.0	6.40	13.31	1.11	10.28	3.82	5.03	6.22	1.85	.89		52.82
March	8.35	5.71	3.97	2.75	2.23	2.32	1.69	6.31	4.50	1.43	3.68		41.94
April.....	8.87	1.82	4.72	3.98	5.45	4.63	3.08	3.47	2.12	1.13	4.43		43.70
May	4.98	2.49	1.06	4.64	5.08	5.24	3.07	2.12	.88	3.88	3.47		36.91
June	3.52	.84	1.91	.58	3.02	.16	2.64	6.92	5.91	3.33	1.89		30.72
July	5.88	2.44	6.56	4.33	6.33	3.67	7.65	6.83	3.30	3.49	5.88		56.66
August	1.97	6.39	3.34	0.41	5.68	5.91	5.27	9.27	6.11	2.14	6.66		58.50
September...	4.36	1.69	4.68	5.56	8.11	4.22	3.60	6.16	1.66	2.43	7.17		49.64
October.....	5.78	2.32	1.46	9.98	6.84	7.16	5.64	4.82	7.88	8.19	8.46		68.53
November...	3.28	4.64	2.57	5.96	4.48	4.12	9.84	3.87	10.65	(14.05)	7.46		69.88
December...	5.08	5.85	6.81	5.22	8.81	6.29	1.87	3.93	4.74	14.94	7.79		71.33
TOTALS...	62.5	241.7	52.31	68.11	62.30	60.61	56.47	66.81	65.25	(58.14)	67.99		662.26

Inquire C.S. 11.7.21 4. at 6 miles of ^{nearest} ~~outlet~~ ^{outfall} on level ground in square ^{enclosed} ~~enclosed~~ ^{area} trees + bushes allowed, site excellent. Inner can leaky. It was until 3 years ago 400 yds E but became sheltered by trees. Recommend resealing inner can and keeping grass down.

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

RAINFALL at Birmingham W.W. (Elan Village)

County of... WorcesterObserver J.W. Wilkinson, BERiver Basin E-Wye

A.A. Barnes, Egg CE1940

Type of Gauge

5 ft. 2 in. F.B. 1240 Birmingham Water Butt

Annual Average 5.42 in. based on 26 years obs. wt-weighted. Period of average 1891-1945 Ref. A.W. Subs.P.B. 392
660 552/26

Diameter	5.											1931-40 Means Totals
Height	10											
Altitude	700											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	6.85	9.67	6.27	6.68	2.66	8.42	9.97	10.04	9.52	3.82	73.90	
February	6.41	1.17	6.60	5.50	7.40	3.57	8.87	3.31	6.68	4.52	46.09	
March	1.71	4.01	4.04	5.55	2.00	3.77	4.21	1.01	3.91	3.76	33.97	
April	4.86	6.37	9.8	4.11	7.54	3.68	3.96	1.52	4.14	3.63	39.79	
May	5.79	5.00	1.76	2.68	1.99	1.87	2.04	4.77	1.26	2.54	29.70	
June	3.78	2.07	4.82	2.27	4.72	6.05	1.69	4.76	2.75	1.84	33.45	
July	4.81	6.42	3.54	2.26	1.98	7.09	2.87	5.41	8.48	6.65	48.51	
August	5.57	1.38	1.46	6.35	1.87	1.82	1.02	3.80	4.25	1.05	27.57	
September	2.43	4.14	1.22	3.81	11.10	4.42	2.73	1.64	1.84	2.94	35.67	
October	2.29	10.28	7.34	5.68	9.01	4.40	3.80	2.71	3.54	6.92	61.97	
November	9.82	5.55	1.57	2.74	8.59	6.68	1.86	9.31	12.91	13.53	42.55	
December	3.55	4.01	1.68	12.28	5.68	9.11	4.66	6.62	4.13	5.92	57.64	
TOTALS	57.87	59.37	41.23	54.91	63.60	59.86	47.67	59.80	62.61	56.12	563.11	88

InSpec'd 8/37. Gauge becoming rather over-sheltered and catch (1937) probably short. No bottom to outer can of gauge and a new gauge is desirable. Gauge on lawn in bottom of valley in fence (1st off). Trees quite near.

5.11.37. The site has been opened up by felling the trees surrounding the gauge.

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. 4219

RAINFALL at Birmingham W.W. (Elan Villages)

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County of Brecon

Observer A.A. Barnett F.S.A., C.E.

River Basin S-Wye

C.A. Bushindale, Esq., C.E.

Type of Gauge

Annual Average 54.4 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 397

File No. 665562 126 E 170/45

Diameter	5			465	390						
Height	1	0				1					
Altitude	700					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
January	473	628	10.90	6.46	4.42	7.11	5.77	14.17	2.95	2.14	64.93
February	575	114	4.77	2.11	6.11	9.52	(2.60)	4.23	2.73	9.86	48.82
March	406	4.22	1.51	.66	1.98	1.26	12.56	3.45	2.85	2.97	35.52
April	1.82	417	1.82	1.88	2.63	1.86	4.81	3.80	4.78	4.82	32.39
May	4.07	8.30	5.34	3.05	3.76	3.38	4.04	3.69	5.34	1.60	42.57
June	1.60	1.04	3.35	2.33	6.13	4.40	2.77	5.65	.79	1.72	29.78
July	2.66	4.39	3.12	2.92	2.68	3.19	3.28	2.62	1.41	4.43	30.70
August	7.83	4.18	5.61	3.61	4.17	7.22	.52	4.87	2.75	2.87	48.13
September	1.56	3.75	7.22	A.27	4.07	9.33	2.88	5.00	3.04	9.35	59.47
October	5.88	5.53	6.50	9.79	5.51	2.88	1.08	4.16	7.71	2.90	51.94
November	4.77	.92	6.11	8.15	1.15	11.88	6.31	3.28	9.48	7.89	58.64
December	5.36	8.09	3.22	6.14	6.79	7.19	5.31	11.44	9.23	4.25	67.02
TOTALS	50.09	52.01	59.47	51.37	49.40	69.22	51.93	66.36	52.06	59.00	560.91

846. Insp. by Dr. G. Gauge in good condition. 5.9.46. Station completely overhauled.
1947. Feb. cond. for snow by observed

20004

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

Station No. 4219

TF 19

RAINFALL at Birmingham (Elan Village) 51

County of Brecknockshire Observer P. A. Risbridge Esq C.E.

River Basin. 8 - Wye

Type of Gauge. Standard.

Annual Average 54.45 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. PB 392
 - " 57.29 - 34 - (within) 1920-55 File No. 1916 E 3950 145 S

Diameter ...	5"				465	390					
Height ...	1'0"					1					
Altitude ...	700'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	6.22	8.41	1.99	(5.03)	4.67	8.51	5.11	6.50	7.21	8.28	62.43
February ...	5.95	2.82	2.43	5.20	3.40	1.04	6.63	9.09	.49	7.92	44.97
March ...	6.39	2.49	4.76	4.40	4.92	4.12	4.79	1.59	4.83	2.94	41.53
April ...	5.20	3.00	4.35	1.33	3.31	2.32	.16	1.42	6.02	5.39	32.50
May ...	3.82	3.88	2.70	3.75	6.47	.76	3.01	4.29	2.30	2.34	33.33
June ...	1.02	3.57	1.67	6.25	6.62	2.77	2.23	3.92	3.08	2.78	33.91
July ...	1.93	2.09	4.99	4.35	.80	4.28	5.59	4.91	4.69	5.21	38.84
August ...	4.93	5.21	4.19	5.64	1.47	7.18	8.03	3.92	.64	4.34	45.55
September ...	4.51	4.29	6.07	6.24	3.17	5.90	11.37	8.68	.19	4.51	54.96
October ...	1.32	6.70	3.42	8.25	4.46	3.46	4.65	5.59	7.40	7.52	53.07
November ...	12.39	4.51	5.10	11.89	6.25	3.62	3.96	3.34	6.83	11.03	67.92
December ...	7.99	6.03	1.99	6.43	6.08	7.06	5.02	5.09	12.03	8.53	66.25
TOTALS ...	61.68	53.00	43.96	69.09	50.52	51.02	60.55	58.34	56.31	70.79	545.26

13/10/53 Gauge overhauled
 25.8.55. Station overhauled.
 May 1956

Aug 1959 1.8.00. Slight. Site fully sheltered by trees NNE-E-S-SSW. Slight overhanging from hillside
 WNW-E NNW. New site chosen for overlap. Oct. 1959. Over-flow container replaced,
 1959. Print. - Record appears below on 3 months comparison with overlap, but except for this year.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SN 931647

Date.	Lat. N.	Long.	Railway Station.	Distance 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
		D	1920-27 D 1928-30 -	D	D	D

Air Ministry, Meteorological Office

T.F. 19

Station No. 4219/1

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6 RAINFALL at Elan Village No. 2

County of Herefordshire

Observer City of Birmingham

River Basin Wye - 8

Water Department

Type of Gauge M.O.

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

Ref.

File No. E. 3170/45.

Diameter	...				465	396			5		
Height	...						1		10		
Altitude	...						51		700		
Year	...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
											Means
January	...										8.50
February	...										8.59
March	...										2.97
April	...										5.52
May	...										2.45
June	...										2.85
July	...										5.33
August	...										4.31
September	...										4.63
October	...										7.69
November	...										11.40
December	...										12.46
TOTALS	...										9.24
											73.22
											hp d

1959 - Telegraph pole (25') 33° SE. House (35') 80° S. Trees (45') 110° W.

B Turf wall.

1962 s.p. inc.

By Turf wall

Position of Station on Ordnance One-Inch map:

No. of Map 118

National Grid Reference 229 934651

Date	Lat. N.	Long.	Railway Station	Distance 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
					C1959.