

RAINFALL AT Derwent Dale Birchmole No 23

Lat. Lon. County of Derbyshire
 No. 110 Rain Gauge, by Observer E. Sanderson Esq. C.E.
Derwent - 6.

Diameter ..							5				
Height							1 0				
Altitude ..							870				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							6.46	2.45	4.33	3.52	
February ..							4.51	3.34	4.94	4.81	
March							4.95	5.27	4.64	5.44	
April							2.05	3.22	3.49	2.89	
May							3.19	4.91	3.74	2.63	
June							1.63	7.13	2.41	5.35	
July							3.11	3.41	5.35	5.32	
August							3.84	4.68	4.30	2.39	
September..							1.64	.87	3.31	3.46	
October....							7.25	7.80	1.66	6.73	
November..							6.61	5.03	4.49	2.09	
December ..							5.25	4.73	2.80	9.80	
TOTALS ..	52.24	49.05	41.77	59.26	40.71	41.61	50.49	52.84	45.46	53.93	48.736

'00-'05. Entered from P.Y. 1. XII. 1913.

RAINFALL at Derwent Dale, Bichinlee, N° 23 2696County of DerbyshireObserver E. Sandeman Esq. C.E.
S.B. Wimmerley C.E.River Basin Great Derwent 6

Rain Gauge, by _____

Diameter ...	5											
Height	1 0											
Altitude ...	870											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Total
January ...	5.15	2.19	5.47	5.51	4.50	8.00	4.43	4.10	4.83	6.08		11.44
February ...	5.50	6.64	1.96	1.85	3.05	6.46	7.83	.97	6.22	2.50		17.52
March	1.21	3.24	5.44	6.50	6.23	1.95	4.43	3.66	2.36	6.27		16.78
April	5.19	3.92	1.79	4.52	2.59	2.33	4.48	2.81	1.58	2.03		11.70
May	4.00	1.39	3.19	3.09	3.17	1.40	2.25	1.98	3.99	2.21		10.43
June	3.52	3.79	3.95	2.48	3.94	1.37	4.08	2.24	2.91	2.04		11.27
July	4.94	.50	6.35	1.12	4.22	5.97	2.93	2.20	4.45	3.92		13.50
August	6.28	2.63	8.75	1.58	3.30	3.22	2.14	8.64	2.74	4.30		17.88
September ..	.49	3.06	3.33	3.11	3.67	1.00	2.66	2.62	10.98	3.27		19.52
October ...	3.32	4.03	4.33	5.27	3.76	3.09	7.71	7.74	3.79	4.71		23.98
November ...	6.27	6.38	4.07	5.75	7.65	4.68	5.58	6.79	2.47	4.95		19.77
December ...	7.90	7.64	8.49	4.24	9.54	(9.33)	4.73	3.15	9.00	9.73		26.61
TOTALS ...	53.77	45.41	57.15	45.02	55.62	(48.80)	53.25	46.90	55.32	52.31		268.21

1915 Dec. estimated

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

RAINFALL at Derwent Dale, Bircunlee No 23County of DerbyObserver: S.B. Wanser, CERiver Basin 6 - DerwentDerwent Valley W.D.Coffen M.O. Rain Gauge, by Cosella
 Ill. 21 { 8.05
7.95 Good condition N. 42. glass
8.00 undisturbed
8.01

Diameter ...	8											
Height	10	1	0									
Altitude ...	870											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	7.17	9.39	5.71	6.43	3.38	6.41	6.31	5.12	13.94	2.64	7.39	Totals 73.87
February ...	4.87	7.0	6.93	8.74	2.67	7.93	3.86	2.16	7.48	.89	1.57	47.80
March	3.64	4.59	3.61	2.59	1.40	2.86	3.22	6.27	3.43	.89	4.13	36.63
April	7.31	2.74	4.93	3.58	2.82	4.20	2.77	6.91	2.04	1.95	4.62	43.87
May	6.66	2.26	1.11	5.42	6.43	4.86	4.08	1.81	1.59	3.54	3.11	40.87
June	4.24	.31	2.94	1.23	2.19	.08	3.70	6.73	5.10	1.82	4.64	32.38
July	6.76	1.75	4.86	4.48	4.74	1.85	3.09	3.69	1.78	3.68	8.27	44.75
August	2.32	6.94	7.44	5.32	5.64	5.04	4.34	5.66	5.69	4.52	5.28	58.19
September...	2.30	1.13	4.56	5.61	4.75	4.93	3.12	7.04	.62	2.12	6.56	42.74
October	2.44	2.90	1.73	4.66	7.01	6.19	6.23	5.61	6.69	6.52	7.62	57.60
November...	2.25	2.63	4.08	8.77	3.82	4.88	5.43	7.16	9.60	10.24	6.40	65.24
December...	5.01	9.41	5.73	6.30	5.02	6.10	3.98	2.24	4.07	12.33	4.73	64.72
TOTALS...	54.97	44.75	53.63	63.13	49.87	55.33	50.13	59.78	62.03	51.14	64.32	607.08

Inspected 25. vii. 21. S. in grass field which may grow too high and get in
 gauge. Several shelter and exposure good. We advise that grass be kept down.
 1930 2813 f 660619, assurance that grass is kept down. Values are satisfactory

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

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

RAINFALL at Derwent Dale (Birchilee) No. 23County of DerbyshireObserver S. B. Winter Esq. C.E.River Basin Trent - Derwent 6Derwent Valley Water Board (1933)Type of Gauge StandardAnnual Average 50.3 in. based on 29 years obs. un-weighted. Period of average 188-1915 Ref. S660619/26 370241/34

Diameter	8											
Height	1	0										
Altitude	870					890	890					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	8.70	6.75	3.68	4.82	3.86	5.14	7.29	7.43	7.45	(3.80)		Total 58.92
February	8.57	7.3	5.24	3.4	9.17	3.97	8.34	3.14	4.74	2.60		46.84
March	3.9	3.66	3.49	5.62	2.37	3.91	3.66	2.14	3.93	3.83		33.00
April	6.77	7.33	2.05	3.70	4.71	2.12	3.67	.71	3.01	3.84		37.81
May	2.82	5.70	2.15	3.00	.63	1.94	3.28	3.93	2.76	1.23		27.44
June	6.41	1.06	3.42	1.89	4.52	3.74	1.92	3.84	3.16	.95		30.91
July	5.37	5.00	3.76	4.81	2.28	5.46	3.92	5.37	8.24	4.37		48.58
August	7.68	1.75	1.09	3.40	2.02	2.81	1.81	2.55	3.02	2.01		28.14
September	6.03	4.47	1.34	3.96	7.12	7.51	2.09	3.43	2.45	4.58		43.48
October	2.66	8.86	7.06	8.11	12.53	6.23	3.30	10.19	1.80	5.20		68.94
November	7.24	5.05	3.85	3.59	7.97	7.37	2.27	7.33	9.15	11.61		65.43
December	3.02	2.61	.82	6.31	5.48	6.32	4.92	5.78	4.39	6.39		46.04
TOTALS	65.66	52.97	38.45	49.55	62.66	56.52	46.37	55.84	57.10	50.41		535.53
	D	D	D	D	D	W	W	W	W	W		404

N.B. Inspected x/33. "Sta is satisfactory but g. is near No 17. as this is a long period station suggest continuing as weekly gauge until the end of 1935, and then abandon."

1935 gauge abandoned at end of 1935

1937 check gauge set up a few yards away.

1940 Jan est.

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 2676RAINFALL at Derwent Dale (Bischoke) N° 23 41County of Derbyshire Observer Derwent Valley Water Bd.River Basin Lent - Derwent-6Type of Gauge SnowdonAnnual Average 50.3 in. based on 29 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 660619/26 370241/34

Diameter	8"			106	272							
Height	1' 0"				1							
Altitude	890				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	4.40	(5.69)	6.45	10.25	5.93	7.77	4.26	10.53	3.17	3.35		Total 61.83
February	5.64	2.17	4.56	2.86	6.18	9.54	(4.30)	3.99	3.19	7.37		49.80
March	7.30	3.10	2.26	1.05	1.56	2.07	(8.20)	2.01	2.24	2.33		32.12
April	2.53	2.82	3.43	3.41	2.95	1.89	4.41	2.87	4.90	5.44		35.65
May	3.56	(4.60)	3.58	4.15	3.76	2.60	3.94	1.85	2.52	2.17		32.73
June	1.90	1.08	3.35	3.19	5.08	5.00	3.25	5.53	.78	1.74		30.90
July	3.96	5.24	2.28	4.45	1.42	4.18	2.40	2.49	2.44	3.29		32.15
August	6.09	4.45	5.59	4.01	3.33	4.45	.43	5.16	2.62	3.77		39.90
September	.64	3.63	4.68	5.69	2.66	6.19	2.08	2.42	1.91	6.83		36.73
October	6.30	6.91	2.63	5.68	7.12	2.15	1.21	2.76	4.83	2.32		41.91
November	4.14	1.98	5.09	8.35	.75	10.50	6.51	2.51	8.09	7.97		55.87
December	3.91	4.79	2.65	4.61	3.77	5.15	6.19	4.04	10.05	3.44		48.60
TOTALS	51.34	(46.46)	46.55	57.70	44.51	61.49	47.18	46.16	46.74	50.05		498.21
	W	W	W	W	W	W	W	W	W	W		498.21

1941. Jan. & Feb. cond. for snow. Mar. & June estd. by obs. 1942. Jan. & May total by obs.
 1947. Feb. March estd. snow gauge unimpacted. 1949 by shift of water Bd. gauge second but plantation of trees 60ft. may have
 to shelter it. Purpose to cut trees. 8.5 8.7 8.8 8.9 9.0 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 10.0

1948. Total 100.0. Letter sent 9 Feb. 1949. Reply gauge to be tested during 1949.

map →

42004

30004

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 *Derwent Dale (Birchcliffe) No. 23*

51

Station No. *2696*
 County of *Derbyshire* Observer *Derwent Valley Water Bd.*
 River Basin *Trent-Derwent &*
 Type of Gauge *Snowdon*

Annual Average *50.3* in. based on *29* years obs. by weighted. Period of average *1881-1915* Ref. *S*
52.89 " " *35* " " *1916-1950* *1916-1950* *P*
 File No. *370241/34*

Diameter ...	8"			106	272							
Height ...	1' 0"				1			1' 2"				
Altitude ...	890'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	TOTAL
January ...	5.96	7.27	2.28	5.48	3.56	8.27	4.79	6.27	5.45	8.94	58.47	
February ...	5.09	2.46	3.38	4.08	3.58	2.00	4.19	3.91	5.6	4.45	38.70	
March ...	6.24	2.95	3.70	3.07	3.80	2.57	4.39	3.94	2.52	2.09	35.27	
April ...	2.98	3.56	3.69	.87	2.10	2.61	.70	1.89	4.48	3.58	26.46	
May ...	3.38	3.10	3.25	4.19	6.24	1.45	1.85	4.35	1.65	2.04	31.50	
June ...	1.21	2.76	3.35	3.03	3.70	4.67	1.75	4.92	2.18	1.57	29.14	
July ...	2.97	2.61	5.90	6.07	1.33	10.34	5.06	6.16	4.25	7.76	52.45	
August ...	5.52	3.19	4.73	7.67	.90	8.63	7.75	3.96	.92	4.21	47.48	
September ...	3.25	7.27	2.60	5.73	2.10	4.85	8.91	5.50	.12	(5.04)	45.37	
October ...	1.20	7.81	2.45	7.70	3.89	3.66	5.48	4.06	5.21	7.03	48.49	
November ...	9.64	4.66	3.39	8.50	3.05	3.08	3.41	1.52	6.70	7.18	51.13	
December ...	4.63	5.21	2.32	9.43	6.80	6.52	7.63	5.82	9.01	6.03	66.40	
TOTALS ...	55.07 W	52.85 W	41.04 W	65.82 W	41.05 W	58.65	55.91 W	57.50 W	43.05 W	59.92 W	530.86	

1956 Rather big, but accept.
 Feb. 1958 J.B.O.K. Pines 30'-35'; 50'-60' NW-N. Rec. more 10 ft. S. of record.
 1960 From north 20 ft. Gauge not yet re-visited.

20104

(43)

Position of Station on Ordnance One-Inch map: No. of Map *192* National Grid Reference *SK165918*

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

Summary of Earlier Records from 10-year Sheets:

1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
		228-30	D 31-34		