

RAINFALL AT *Derwent Dale Bridge Farm* No 13

Lat. Lon. County of *Derbyshire*

Smethdon Rain Gauge, by Observer *E. Sandeman Esq. cl.*

Derwent 6.

Diameter ..							5				
Height							10				
Altitude ..							1175				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							4.92	1.46	2.82	2.37	
February ..							3.08	1.96	3.51	3.21	
March							3.08	3.85	3.60	4.29	
April							1.39	3.25	3.34	2.17	
May							3.40	3.81	3.21	2.60	
June							1.86	6.59	2.23	5.64	
July							2.65	2.90	4.73	4.65	
August							3.39	4.10	3.81	2.71	
September ..							1.42	.64	3.37	3.38	
October							6.56	8.84	1.92	4.86	
November ..							6.80	4.19	3.59	1.57	
December ..							4.07	3.25	1.92	6.30	
TOTALS ..	5039	3937	3669	4838	3236	3568	4262	4484	3805	4375	41213

60-65. Entered from P.Y. 1. XII. 1913.

RAINFALL at Derwent Dale Ridge Farm No 13 8701County of DerbyshireObserver E Sanderson & Co
S. B. Unwin & CoRiver Basin Trent-Derwent 6

Rain Gauge, by _____

Diameter ...	5									8	
Height	10										
Altitude ...	1175										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.85	1.72	4.37	3.53	3.12	5.02	3.02	(3.76)	3.78	4.33	
February ...	3.10	4.18	2.01	1.04	1.90	4.72	5.21	.86	3.87	3.52	
March74	2.63	3.82	2.84	4.78	1.72	5.42	2.52	1.95	7.04	
April	4.25	2.14	1.03	2.55	1.71	1.60	4.31	1.37	1.60	2.71	
May	3.46	.94	3.43	2.63	2.84	1.73	2.49	2.35	3.62	1.99	
June	3.39	2.93	3.61	1.53	5.00	1.26	4.54	1.92	3.10	2.01	
July	4.16	.55	7.07	1.10	4.74	6.71	2.40	1.92	4.04	4.01	
August	5.07	2.57	7.97	1.61	2.51	3.60	1.87	8.24	2.87	4.03	
September ..	.58	2.52	2.87	3.65	3.23	.78	2.57	1.62	10.70	2.69	
October ...	2.95	3.57	3.57	6.35	4.37	3.37	5.19	6.04	2.57	8.97	
November ..	4.74	5.33	2.57	4.03	5.34	4.68	5.40	5.82	1.66	4.03	
December ...	7.77	5.92	5.06	2.24	7.52	7.94	3.84	3.16	6.18	7.12	
TOTALS ...	43.06	37.00	47.38	34.10	47.06	43.13	46.26	(39.58)	45.94	49.45	

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

RAINFALL at Derwent Dale, Ridge Farm No. 13.County of Derby Observer S. B. Wines CE.River Basin 6 - Derwent.Copper M.O. Rain Gauge, by Conella 8335Weekly { 8.04
8.01
8.00
8.03 } W & Z. not tested
too far from centre.

Diameter ...	8										
Height	1 0										
Altitude ...	1175										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	5.18	6.68	4.87	5.40	5.11	5.40	5.39				
February ...	3.65	6.0	5.15	7.40	2.69	7.52	3.73				
March	3.01	2.81	2.92	2.17	1.39	2.63	3.18				
April	6.73	2.42	5.10	3.12	2.59	3.46	2.82				
May	5.59	1.80	9.0	5.32	6.23	4.37	3.99				
June	4.08	4.1	2.54	1.20	1.77	0.6	3.74				
July	5.89	1.60	4.76	4.39	4.40	2.12	3.23				
August	1.76	6.38	7.46	4.83	5.43	4.24					
September...	1.91	1.05	3.91	5.66	4.65	4.23					
October	2.74	2.32	1.95	4.37	6.47	5.95					
November...	1.27	2.27	3.06	7.46	3.31	4.35					
December...	3.93	5.77	4.02	4.77	3.56	5.97					
TOTALS...	45.74	34.11	46.34	56.09	45.60	50.30	imp.				

See 13th next plot.

Inspected 25.11.21 on steep slope of hill facing S to road, very little shells on S end. It might be moved a little nearer a wall to get slight shells. Snow bad here.

Inspected 25.11.22. Plantation planted round gauge & record will be useless in few years. Suggested check gauge in position free from snow drift & down near road.

1926. Obs^{ns} discontinued. R. removed 1. Aug.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Bridge Farm 2013 A.County of DerbyshireObserver S. B. Winer Esq. C.F.River Basin Great OuseDon Valley W.(1915) Sumner Rain Gauge, by _____Check Gauge

Diameter ...				8		8					
Height				10		10					
Altitude ...				875		1175	875				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean.
January ...				7.55	3.39	6.48	6.47	5.62	13.38	2.56	7.37
February ...				8.54	2.35	8.45	3.99	2.07	3.26	.64	1.35
March				2.44	1.36	2.96	3.73	6.75	3.16	.99	3.99
April				3.73	2.68	4.08	2.96	7.23	1.06	1.86	4.35
May				5.96	6.58	4.47	4.30	1.81	1.47	3.62	3.02
June				1.53	1.96	.07	3.83	6.09	4.96	1.96	4.61
July				4.82	5.00	2.30	3.54	3.27	1.85	3.69	8.98
August				5.40	5.96	4.72	4.41	5.23	6.74	4.88	5.67
September...				6.18	5.09	4.80	3.76	7.12	.66	2.09	6.74
October				4.86	6.79	6.22	6.12	5.30	6.21	7.20	7.31
November...	<u>See gauge 13 previous sheet.</u>			9.26	3.59	4.38	5.38	6.29	9.91	10.70	6.21
December...				5.41	5.03	6.38	4.66	1.82	3.77	12.80	4.63
TOTALS...				65.68	49.78	55.31	53.15	58.60	61.43	52.69	64.23

1926. July est'd

Site approved by our inspector in 1921. Oaluse appears OK.

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Derwent Dale (Ridge Farm) 13ACounty of DerbyshireObserver S. B. Winter, F.R.S.E.River Basin Trent - Derwent 6Derwent Valley Water Board (1933)Type of Gauge StandardAnnual Average 52.4 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. S660619/26 370241/34

Diameter	8				5							
Height	1	0										
Altitude	875				883							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	8.65	6.07	3.98	5.24	4.17	5.25	7.78	7.75	7.40	(3.89)	60.09	
February	7.85	5.2	6.00	4.0	8.98	4.43	9.15	3.26	4.83	(2.85)	48.37	
March	3.6	3.72	3.30	5.55	2.52	4.03	4.25	2.53	4.19	3.81	34.26	
April	6.72	6.07	1.77	3.45	4.74	2.24	3.83	7.8	2.95	4.27	36.82	
May	2.65	5.31	2.08	3.00	6.8	1.91	3.33	4.31	2.76	1.27	27.30	
June	5.82	1.02	3.54	1.84	4.15	3.70	1.76	4.04	3.45	1.11	30.43	
July	5.37	4.86	3.55	6.89	2.51	5.43	3.80	5.00	8.71	4.76	50.88	
August	7.64	1.72	1.14	3.47	2.02	2.86	1.97	3.04	3.44	2.28	29.28	
September	5.93	4.78	1.69	3.73	7.56	7.95	2.10	3.69	2.42	5.30	45.15	
October	2.49	9.45	6.66	7.25	13.20	6.75	3.22	9.83	4.46	4.92	68.23	
November	5.96	5.24	3.39	3.54	8.35	8.11	2.16	7.81	9.36	11.58	65.50	
December	2.61	2.55	7.8	6.53	5.64	6.36	4.69	6.40	4.49	6.94	46.99	
TOTALS	62.05	51.31	37.88	50.89	64.52	59.02	48.04	58.54	58.16	(52.89)	543.30	
							W	W	W	W		

Installed X/33.
N.B. "The rim of the gauge should be lowered to 1 ft. and made horizontal. The g. should be surrounded by a dry wall and if necessary a fence. The g. should be retained only if there is no risk of snow from the reservoir blowing into the funnel."

12th Jan & Feb. est.

4 Sat. 11.33

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. 2701RAINFALL at Derwent Dale (Ridge Farm) L.S.

41

County of DerbyshireObserver Derwent Valley Water Bd.River Basin Trent - Derwent 6Type of Gauge StandardAnnual Average 52.4 in. based on 6 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 660519/36 370241/34

Diameter	5"			106	223						
Height	1'0"				1						
Altitude	883'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means- Total
January	4.58	(5.89)	6.65	11.68	6.34	7.66	4.46	11.80	3.89	4.27	66.92
February	6.02	2.24	4.71	3.72	6.24	9.94	(4.30)	4.26	3.39	8.27	53.15
March	7.40	3.16	2.32	1.08	1.68	2.15	(9.00)	2.02	2.62	2.76	34.19
April	3.70	2.92	3.84	3.63	3.25	1.84	4.51	3.36	5.51	6.24	38.80
May	4.05	4.91	3.90	4.30	3.59	2.41	4.06	1.98	2.90	2.47	34.57
June	2.40	1.12	3.57	3.54	5.58	5.98	3.11	7.81	1.17	2.08	36.36
July	4.01	5.68	2.00	4.31	1.50	4.91	2.54	2.69	2.39	3.67	33.70
August	7.35	4.78	6.44	3.85	3.22	4.64	.45	5.56	3.11	4.08	43.48
September	.68	3.72	4.58	6.10	3.07	6.50	2.52	2.75	2.32	7.84	40.08
October	6.78	7.42	2.80	6.48	8.10	2.39	1.38	3.39	5.41	2.75	46.90
November	4.46	1.97	5.48	9.30	.90	11.10	7.08	2.63	9.73	8.64	61.29
December	4.20	5.19	3.07	4.97	3.86	5.42	6.70	4.61	11.35	4.16	53.53
TOTALS	55.63	49.00	49.42	62.96	47.33	64.94	50.11	52.86	53.49	57.23	542.97
	W	W	W	W	W	W	W	W	W	W	

1941. Jan 2 Feb. cond. for snow. Mar. sold. by obs. 1942. Jan. part est. by obs.

1947 Feb. march est. snow

40004

30004

101 102 109 122

Turf with round 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

BRITISH RAINFALL ORGANIZATION

Station No. 2701

RAINFALL at *Derwent Dale (Ridge Farm) 139*

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County of *Lancashire* Observer *Derwent Valley Water Bd.*River Basin *Prest-Derwent 6*Type of Gauge *London Septant*Annual Average *52.4* in. based on *6* years obs. un-weighted. Period of average *1881-1915* Ref. *5*" " *55.49* " " *34* " " *1923-57*File No. *370241/34*

Diameter ...	5"				106 223							
Height ...	1' 0"				1			1' 1"				
Altitude ...	883'				61							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	7.35	7.02	2.63	5.76	3.73	8.60	4.65	6.32	4.65	9.14	59.91	
February ...	5.88	3.18	3.57	4.48	3.60	2.24	4.10	4.69	.58	4.50	41.82	
March ...	7.19	3.25	3.94	3.64	3.61	2.51	4.29	3.97	2.69	2.12	37.71	
April ...	3.64	3.72	3.65	.91	2.15	2.59	.62	1.88	4.68	3.10	26.94	
May ...	3.48	3.40	3.16	4.46	6.77	1.56	1.85	4.62	1.88	2.23	32.61	
June ...	1.32	3.09	3.75	3.46	3.70	4.76	1.75	5.43	2.17	1.58	31.01	
July ...	3.52	3.07	7.06	6.20	1.31	9.87	4.90	6.14	4.56	8.37	55.00	
August ...	6.22	3.41	5.40	7.60	1.05	9.37	8.00	3.54	1.00	4.67	50.26	
September ...	3.76	7.79	2.86	6.37	2.54	4.68	10.02	5.69	.14	4.60	48.45	
October ...	1.21	7.62	2.62	7.81	4.10	3.66	5.69	4.03	5.64	7.22	49.60	
November ...	11.00	5.11	3.58	9.57	3.01	3.34	3.46	1.49	6.48	7.40	54.44	
December ...	9.00	5.55	2.67	10.38	7.10	6.91	7.89	5.78	8.90	5.99	70.17	
TOTALS ...	64.27	56.21	44.89	70.64	41.67	60.09	57.22	58.64	43.37	60.92	557.92	
	W	W	W	W	W		W	W	W	W		

high. ~~1958~~ 1958 16.0K. Slightly over-shelter NW-NE which were increased. Slightly over-shelter
 WNW-S-ESE. Tinf wall fairly good but requires tidying up. No alternative site.

1900 from creek S.E.A. Tinf wall attended to and grass cut about.

Tinf wall

(43)

Position of Station on Ordnance One-Inch map: No. of Map *102* National Grid Reference *SK161931*

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C1923	✓	✓	