

## RAINFALL AT Derwent Dale Sandy Lane Chant

Lat. .... Lon. .... County of W.R. York Leathem

Rain Gauge, by Observer E. Sandeman Esq. Ch.

Diameter ..							5			
Height ..							1 0			
Altitude ..							1340			
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..							5.60	1.74	3.63	2.70
February ..							3.10	2.52	3.25	3.65
March ..							3.50	3.71	3.88	4.90
April ..							1.31	3.68	3.32	2.70
May ..							3.86	4.40	3.75	2.40
June ..							1.81	7.37	2.58	4.90
July ..							3.20	2.80	4.86	5.40
August ..							3.80	4.48	3.76	2.60
September ..							1.89	.70	3.70	3.60
October ..							7.97	9.70	1.84	5.50
November ..							7.00	4.41	3.55	2.20
December ..							3.62	3.84	2.38	8.80
TOTALS ..	52.00	41.90	41.30	57.10	36.00	40.30	46.16	49.35	40.50	48.85
										45346

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

143. Annual values 1900-1929 selected from survey as "Raw."

10 3110'1

RAINFALL at Derwent Dale Sandy Lee N°7

County of W.R. Yorkshire

Observer E Sandeman by cl.

## River Basin Trent-Derwent 5

5 Brinsford Ch.

*Rain Gauge, by*

Diameter ...	5										
Height .....	1.0										
Altitude ...	1840										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.70	2.00	4.90	4.84	3.40	6.39	3.96	1.97	3.88	4.60	
February ...	4.50	5.42	2.94	1.72	2.67	5.34	6.18	.81	3.72	4.55	
March .....	1.00	2.79	4.80	5.40	5.50	1.71	5.36	2.91	2.16	5.10	
April .....	4.30	3.40	1.12	3.68	1.75	1.73	3.45	1.96	1.55	2.81	
May .....	3.90	1.01	3.65	2.75	2.42	1.78	2.55	2.28	3.89	2.60	
June .....	3.00	3.90	4.05	2.15	4.61	1.67	3.83	1.84	2.55	1.50	
July .....	4.35	.41	7.10	1.29	3.23	6.35	2.95	1.80	2.95	3.66	
August .....	6.10	3.06	5.00	1.38	3.10	3.86	1.94	8.81	2.58	4.25	
September ...	.42	2.57	4.00	3.65	2.75	.73	2.60	1.81	11.10	3.60	
October ...	3.40	3.90	4.28	6.01	4.25	3.36	7.41	6.65	3.67	5.20	
November ...	4.80	6.07	2.97	4.80	6.95	4.52	5.80	6.20	2.10	4.20	
December ...	8.20	7.56	6.50	3.08	8.41	9.37	4.51	3.10	7.10	8.40	
TOTALS ...	46.67	42.08	54.34	40.75	49.04	46.81	50.54	40.14	49.25	48.27	

N.B. Annual Values 1900-1929 rejected from survey as 12 "low."

RAINFALL at Derwent Dale Sandy Lee N<sup>o</sup>. 7.

County of W. R. Yorkshire Observer S. B. Winsor Esq. C.E.

River Basin Trent-Derwent-

Derwent Valley Water Board.

4.90  
5.10  
5.00  
5.01

Culverdown Rain Gauge, by Casella

8263

Monthly - least in seven twelve battered. Glass - 43 only.

Diameter ...	5"											
Height .....	1	0	1	2								1.0
Altitude ...	1340											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		MEAN
January ...	6.10	7.21	5.43	4.40	3.12	4.80	5.63	3.27	9.87	3.36	6.10	
February ...	4.30	5.55	5.39	8.13	1.75	6.54	3.64	1.95	5.58	1.61	1.67	
March ....	3.20	3.90	3.55	2.54	1.10	1.93	1.65	5.31	3.56	7.4	4.15	
April .....	7.85	2.50	5.16	3.19	2.43	3.54	3.38	5.68	2.20	1.83	4.20	
May .....	5.60	2.10	1.15	4.96	5.75	4.70	4.30	1.52	2.11	3.20	3.19	
June .....	4.60	2.24	2.35	1.10	1.95	1.10	3.82	4.77	4.34	1.46	4.50	
July .....	6.10	1.26	4.85	4.37	5.30	1.85	3.43	3.20	1.86	3.78	8.92	
August .....	2.25	6.23	7.52	5.40	4.89	4.82	4.30	5.82	5.60	4.25	5.10	
September...	2.50	1.50	4.65	4.83	4.84	4.70	2.82	1.70	0.56	1.60	6.15	
October....	2.95	3.15	(1.50)	4.19	6.63	5.76	5.40	4.83	6.89	5.65	6.10	
November...	1.82	2.84	2.98	6.25	3.60	4.31	5.28	6.37	7.50	9.50	5.55	
December...	4.95	6.64	4.40	4.51	4.47	4.60	3.50	3.72	3.76	9.96	4.30	
TOTALS...	52.22	38.12	(+8.93)	53.87	45.83	47.65	47.13	53.14	53.13	45.94	59.93	

Unfilled sp. 18.7.22 is near summit of grass land. Somewhat overexposed. Suggested half wall.

1922: Oct. 22. Sealing mended Sept. 1922.

Note: Gauge erected Jan 1920. New gauge installed June 1923.  
as recommended Sept 22.

N.B. Annual Values 1920-1929 reported from Survey as "low".  
also 1923-1929 after new gauge was erected, low by a similar amount.

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 (Sandy Lee) No. 7.

County of West Riding. Observer S. B. Winser, Esq., C.I.

River Basin Trent-Persent-s. Derwent Valley Water Board (1933)

Type of Gauge.

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

660619/26

Diameter	5.										
Height	1.0.										
Altitude	1340.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.15	5.85	3.30	3.97	3.20						
February	5.56	.72	6.00	.29	7.45						
March	1.50	2.87	3.22	4.43	2.53						
April	6.24	5.86	1.48	3.58	3.80						
May	3.31	6.15	2.25	2.43	.56						
June	6.18	1.02	3.40	1.73	3.65						
July	5.37	4.93	3.44	3.20	2.03						
August	8.22	2.23	0.82	3.20	2.00						
September	6.57	3.44	2.34	3.75	6.25						
October	1.82	6.82	6.73	5.46	10.30						
November	6.57	4.45	3.54	3.87	8.95						
December	1.68	2.10	0.63	6.35	4.76						
TOTALS	59.17	46.44	37.15	42.26	55.48#						

NB. Inspected X/33. A monthly g. should be set at 40 yards E of the old well, with a turf base and a larger fence than at 7.

1935. Gauge abandoned at end of 1935.

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

Check Gauge.

31

## RAINFALL at Derwent Dale (Sandy Lee) No. 79.

County of West Riding.....

Observer Derwent Valley Water Board

River Basin Tees, Derwent &amp; ...

Type of Gauge.....



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

Diameter	5	Height	10	Altitude	1320						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January				4.86	3.87	5.20	7.80	7.93	2.50	(4.10)	
February				1.46	9.52	5.00	9.20	3.25	4.60	(3.40)	
March				5.47	2.85	5.54	5.00	1.90	4.89	4.60	
April				3.88	4.25	2.69	3.45	.57	3.22	4.05	
May				3.79	.74	2.30	3.82	4.00	2.90	1.43	
June				1.87	3.96	5.03	1.62	4.31	3.78	.94	
July				3.30	2.48	5.36	3.55	5.34	8.61	3.97	
August				3.41	2.12	2.53	1.70	3.65	3.47	1.75	
September				3.95	7.11	7.03	1.85	3.60	3.09	4.91	
October				6.37	12.75	6.23	4.40	10.55	5.45	5.70	
November				4.15	9.47	7.73	2.95	7.10	9.20	11.63	
December				6.87	5.96	6.92	4.94	5.50	4.20	5.78	
TOTALS				48.38	65.08	61.66	50.28	57.70	61.11	(52.26)	

Monthly g. & S.E. of 3110 as recommended during inspection by Dr. Glascow in 1/33.  
1940. Jan Feb. coll. by 1st.

Temp. coll. at 1st July 1938.

\* Mr. Cowich has applied a value of 46.0 in for the station average  
but this is not considered satisfactory for inclusion in British Rainfall.

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



Station No. 3110/1

TF 26

RAINFALL at Derwent Dale (Landy Lee)County of West Riding - Yorks.Observer Derwent Valley WatershedRiver Basin Trent-DerwentType of Gauge Septapent

Annual Average ... in. based on ... years obs. un-weighted. Period of average ... Ref. S  
 " " 56.40 " 24 " within 1934-57 " 1916-59

File No. 66061926

51

Diameter	5"			106	148						
Height	1' 0"				1			1' 2"			
Altitude	1320'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	6.18 (6.96)	2.57	5.30	4.30 (8.75)	5.16	6.93	6.33	8.46			
February	(6.31)	3.19	3.00	4.22	4.20	2.80	4.52	8.90	.64	4.20	
March	7.59	3.07	3.10	3.08	4.35	2.93	4.97	3.83 (2.55)	2.05		
April	3.05	3.45	4.41	.74	1.90	3.25	.55	1.78	5.70	3.38	
May	5.69 (3.45)	3.05	5.15	4.90	1.57	1.80	4.30	1.82	2.22		
June	1.45	2.85	3.25	2.87	3.97	4.27	1.66	5.98	2.25	1.90	
July	3.30	2.60	5.95 (5.50)	1.10	9.34 (4.80)		5.92	5.00 (6.90)			
August	5.85	3.57	5.25	6.60	.75	10.76	7.84	3.40	.95	4.52	
September	3.72	7.59	2.60	6.05	1.70	5.58	8.82	4.80	.13	5.94	
October	.95	8.15	2.60	7.95	4.80	3.67	6.33	4.47 (5.39)	7.48		
November	12.23	4.40	3.70	9.00	2.95	3.70	3.63	1.22	6.89	8.84	
December	9.98	5.40	2.50	10.05	7.50	6.43	7.00	6.22	8.20	7.74	
TOTALS	65.70 (54.68)	41.98	66.35	42.42	63.05	57.08	57.75	45.85	63.63		
	M M	M	M	M	M	M	M	M	M	M	

1952 May corr. H.O.B. eng. agrees.  
 1955 Jan & Mar. partest. Feb. est. M.O.3.b.  
 1956 Jan & Feb. app'd by engineer. 1953 Aug.  
 Turf wall 1958 18.0K. by house had built off level. Overrepaired all dimensions. Turf wall was  
 poor - to be rebuilt.  
 1960 Snow total 36ft Turf wall re-built and stones re-setted.  
 20004 22004 00404

Turf wall

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference 981180953

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 (2)	1941-50 (2)	1951-60
			C 1934	✓	