

RAINFALL AT Derwent Dale, Howden House No 19

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

M. O. Rain Gauge, by Observer E. Sanderson by C.E.

Sect. Derwent 5

Diameter ..							5	8		
Height ..							1	0		
Altitude ..							775	ft		
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909 MEANS.
January ..							6.12	2.07	3.32	3.00
February ..							4.08	2.79	3.96	3.35
March ..							4.10	4.71	4.01	5.11
April ..							1.75	3.28	3.10	2.44
May ..							3.04	4.27	3.23	2.55
June ..							1.60	6.68	2.13	5.04
July ..							2.76	2.94	4.83	4.57
August ..							3.66	4.19	4.09	2.29
September ..							1.54	.62	3.20	3.28
October ..							7.11	7.96	1.60	5.90
November ..							6.79	4.68	3.63	1.73
December ..							4.73	3.92	2.23	8.49
TOTALS ..	47.89	43.71	39.09	55.64	39.18	38.88	47.28	48.11	39.33	47.75 44.686

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

RAINFALL at Derwent Dale Hounds To No 19

County of W.R. Yorkshire

Observer E.Sandercock
S.B.Wilson c.k.

Rain Gauge, by.

Diameter ...	8									
Height	10									
Altitude ...	775					800				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January	4.29	2.02	5.52	4.21	3.09	6.34	2.79	4.69	4.05	5.04
February	4.95	5.98	2.10	1.43	2.99	6.19	7.76	.84	4.09	5.53
March99	2.80	4.87	4.63	4.84	1.84	6.45	2.84	1.96	6.73
April	4.55	3.61	1.24	3.48	2.12	1.70	3.92	2.38	1.38	2.52
May	3.62	1.05	3.60	2.84	2.62	1.56	2.27	2.00	4.12	1.78
June	3.14	3.57	3.64	1.50	4.34	1.15	4.03	1.92	2.59	1.80
July	4.40	.48	6.52	.99	3.46	6.04	2.71	1.81	3.85	3.70
August	5.84	2.60	8.04	1.41	2.64	3.29	1.79	8.04	2.59	3.83
September45	2.70	3.23	3.21	3.15	.56	2.15	1.65	10.09	2.54
October	3.10	3.84	3.96	5.05	4.18	3.17	5.79	6.52	2.82	5.24
November	6.07	6.48	3.28	3.96	6.26	4.68	5.02	5.82	1.74	4.10
December	8.47	7.92	6.00	3.05	8.25	8.62	3.92	3.06	6.65	7.24
TOTALS ...	49.87	42.35	52.04	35.76	47.94	45.14	48.60	41.55	45.93	48.35

RAINFALL at Derwent Dale Howden House No. 19

County of N.R. Yorkshire Observer S.B. Winsor Esq. G.E.

River Basin Trent-Derwent 5

Observer S. B. Winser Esq. G.E.

8.00
7.90
8.10
8.01

Cu Snowdon (42) Rain Gauge, by Casella

Decorant Valley Water Bd

Weekly . good condition . Glass N + Z. not checked

Diameter ...	8										
Height	10										
Altitude ...	890	775	890								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	7.06	6.10	5.29	4.29	2.64	4.15	5.40	3.94	10.26	2.08	6.22
February ...	3.69	.72	5.51	7.21	1.86	7.01	3.34	1.64	5.68	.56	1.52
March	4.00	3.14	2.99	2.17	1.10	2.32	2.40	5.74	2.58	.71	3.42
April.....	7.22	2.35	5.11	3.16	2.43	3.24	2.77	6.65	1.74	1.68	4.67
May	5.41	1.89	.92	5.01	5.73	4.31	3.62	1.48	1.49	2.86	2.38
June	4.14	.31	2.26	0.92	1.49	.03	3.27	5.06	4.72	1.42	4.32
July	5.68	.96	4.56	3.88	4.29	1.92	3.37	2.98	1.28	3.24	8.15
August	1.89	6.33	6.81	4.44	4.33	4.42	3.65	4.99	5.29	3.51	4.76
September...	1.91	.87	3.55	4.57	4.36	1.00	2.68	6.13	0.43	1.58	6.32
October.....	3.07	2.25	1.68	3.29	5.98	5.47	4.84	4.64	5.82	5.53	6.42
November...	1.38	2.29	2.96	6.11	2.92	4.55	5.20	5.98	7.60	9.28	5.53
December...	4.12	5.64	4.26	5.34	3.63	3.68	3.59	2.22	3.57	9.52	4.32
TOTALS...	49.57	32.85	45.90	50.39	40.76	47.10	44.18	51.45	49.86	41.97	58.03

Inspected 9/18/72. S. grassy slope to reservoir facing Howden Dam. Reservoir - drops 10 ft. in 20 yds. to S.W. Good position.

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 Derwent Dale (Hawden Lane) No. 72.

County of York W.L.

Observed Derwent Valley Water Board

River Basin Loc. Derwent S.

Type of Gauge.....

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

c 1934

660619/26

Diameter												
Height												
Altitude												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January				3.99	3.05	4.50	7.50	6.85	7.70	(4.00)		
February					4.42	7.50	4.75	7.76	2.88	4.05	(3.30)	
March				4.99	2.00	5.16	4.50	1.70	4.05	3.80		
April					3.80	3.90	2.75	3.30	.50	3.18	4.00	
May					2.27	1.82	2.50	3.87	3.78	2.64	1.44	
June						1.51	3.95	4.00	1.60	3.86	3.30	.91
July						3.47	2.05	5.00	3.87	5.71	8.40	3.52
August						3.14	1.93	2.73	1.75	2.61	3.08	1.61
September						3.83	6.18	6.90	2.21	3.29	3.12	4.44
October						5.78	10.91	5.99	4.11	10.14	5.50	5.34
November						4.50	7.80	6.49	2.67	6.90	9.00	11.50
December						6.17	6.00	5.98	5.19	5.35	4.14	5.67
TOTALS						43.87	56.09	56.75	48.33	53.57	58.16	(49.53)

This site selected by Dr. Glasspool 8/33 (see one. 58.4 m. S.E.)

1940. Jan + Feb. estd by Stoh.

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Derwent Dale (Howden Ha.) 19.

County of West Riding

Observer S.B. Wimber, Esq., C.E.

River Basin Trent-Derwent s.

Derwent Valley Water Board (1933)

Type of Gauge

Annual Average 44.1 in. based on 30 years obs. un-weighted. Period of average 1881 - 1915 Ref. 3

660619/26

Diameter	8.											
Height	1.0.											
Altitude	890.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.94	5.01	3.55									
February	6.94	7.1	5.20									
March	4.8	3.20	3.24									
April	6.80	6.61	1.68									
May	2.74	5.46	2.01									
June	6.36	1.04	3.04									
July	5.17	4.90	3.63									
August	7.43	1.74	1.01									
September	5.99	3.91	1.56									
October	2.18	8.12	6.95									
November	5.66	4.36	3.50									
December	2.43	2.30	0.86									
TOTALS	60.12	47.36	36.23	X								

Abandoned as agreed.

NB. Inspected X. Site is unsuitable e.g. to move in a plantation, suggest abandon at end of year.

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. T.F. 31071

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RAINFALL at Damsent Dale (Hawden Dale) No. 72.

County of Yorks. W.R.

Observer Damsent Valley Water Bd.

River Basin Trent Damsent 5.

Type of Gauge.

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

C1934

File No. 1600619/26

Diameter	5		106	259							
Height	1	0			1						
Altitude	960				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(4.75)	(5.40)	6.73	8.38	(6.00)	7.45	4.20	12.19	2.80	2.36	
February	(6.15)	(2.20)	3.92	3.36	6.20	8.35	(4.30)	4.37	2.80	9.30	
March	7.45	3.03	2.10	.94	1.35	2.30	(8.80)	1.70	2.25	2.40	
April	(3.95)	2.67	3.32	3.60	3.10	1.85	4.53	2.65	5.08	5.87	
May	4.33	4.08	3.64	4.30	3.35	2.75	3.37	1.77	2.77	2.82	
June	.85	1.02	3.20	2.91	5.00	4.80	3.17	5.92	.61	1.67	
July	4.50	5.00	2.19	4.05	1.10	4.00	2.27	2.25	2.75	3.12	
August	6.49	(4.40)	5.31	3.60	2.90	4.85	.33	5.60	2.55	4.29	
September	.43	3.63	4.00	5.75	2.70	6.32	1.85	2.30	2.10	6.71	
October	6.11	6.40	2.67	5.30	7.50	8.08	1.18	2.60	4.90	2.18	
November	4.97	2.09	4.36	8.90	7.3	11.34	6.25	2.20	8.25	8.10	
December	3.41	(5.00)	2.61	3.90	3.90	5.19	6.35	4.10	9.32	(3.60)	
TOTALS	(53.29)	(44.92)	44.05	54.99	43.83	61.28	(46.60)	47.65	46.18	60.22	
	M	M	M	M	M	M	M	M	M	M	

1941 Jan. Feb & April est'd. by observer

30004

00014

1942 Jan. Feb. Aug. Dec. adj. by observer.

1945 Jan est'd. by snow.

40004

1947 Feb. Mar. and Jan. snow

1950 Dec. est'd. by engineer.

(6400460214)

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. 31071 T.F. 26

RAINFALL at Derwent Dale (Howden Dean) No. 72
 County of West Riding - Yorks. Observer Derwent Valley Water Bd.
 River Basin Trent-Derwent-5
 Type of Gauge Septant.

Annual Average in. based on years obs. un-weighted. Period of average Ref.
 " 51.02 " 23 " within 1934-57 " 1916-50 S
 File No. 660619/26

Diameter ...	5"			106	259						
Height ...	1' 0"					1					
Altitude ...	960'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	5.30	6.75	2.20	5.11	3.75	7.70	4.12	5.98	5.24	8.614	
February	5.70	2.80	3.40	3.74	(4.10)	2.40	4.28	7.82	.35	4.15	
March	6.46	2.85	3.42	3.10	4.65	2.25	3.98	3.80	2.20	2.75	
April	2.62	3.10	3.60	.48	1.69	2.75	1.46	1.53	3.85	2.94	
May	4.05	2.70	2.88	4.26	5.76	1.23	1.74	4.13	2.01	2.12	
June	1.10	2.95	3.14	2.90	4.01	4.12	1.47	5.04	1.85	1.60	
July	2.56	2.70	5.30	5.10	1.30	8.82	4.66	6.11	3.45	6.90	
August	5.10	2.80	4.85	4.14	.93	8.76	7.33	2.88	.86	4.66	
September	2.75	7.19	2.30	5.20	1.70	4.75	8.05	5.50	.04	5.39	
October	.98	8.13	2.23	7.12	3.80	3.10	4.56	3.47	4.69	8.42	
November	11.17	4.65	3.27	8.10	2.95	2.42	3.43	1.27	6.75	6.32	
December	7.50	4.40	2.10	8.80	6.50	6.67	5.98	8.72	6.09		
TOTALS ...	56.29	51.02	38.69	62.05	41.14	54.80	50.75	53.51	40.01	59.98	
	M	M	M						M	M	

1956 Feb. est. by Eng'r.

1956 Jan. Feb. apportioned

July VIII 1958 f.B.K. Tree 50°, 50' NE'N. Hillside to N. slightly overhanging. Best site available

1960. From which 26 m South factory

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference 5K 185926

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 1934		✓		