

RAINFALL AT

Hope School

N. 53

Lat.

Lon.

County of *Delaware*

Sweden Rain Gauge, by

Observer *L. Sandeman Esq. C.E.*

Orwent - 6.

Diameter ..							5				
Height							10				
Altitude ..							545				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							6.27	2.01	2.94	2.41	
February ..							4.39	2.96	4.23	2.48	
March							4.04	4.53	4.48	4.94	
April							1.93	2.53	2.74	2.43	
May							2.72	4.09	3.54	2.61	
June							1.43	6.13	2.32	3.90	
July							2.59	2.54	3.43	3.86	
August							3.28	3.74	3.57	1.79	
September..							1.19	.61	2.75	2.65	
October....							6.17	6.17	1.32	4.72	
November..							5.00	3.88	3.42	1.68	
December ..							4.76	3.71	2.84	8.90	
TOTALS ..							43.77	42.90	37.58	42.37	

RAINFALL at

Hope School

No 56

County of Derbyshire

Observer

E Sandeman Esq. C.E.River Basin Frost - Penworth

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S.B. Winstanley C.E.

Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	545										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.25	2.02	5.55	5.03	3.09						
February ...	4.79	4.09	1.90	1.65	2.90						
March	1.17	2.00	4.71	5.27	5.07						
April	3.95	2.64	1.23	4.17	1.94						
May	2.96	.99	3.34	2.46	2.46						
June	2.41	2.49	3.91	2.09	3.84						
July	4.82	.33	5.50	1.09	4.61						
August	4.60	2.02	7.12	1.83	1.71						
September ..	.38	2.31	2.30	2.20	2.94						
October ...	2.62	3.14	3.78	3.67	3.12						
November ..	5.92	4.75	3.09	4.43	6.11						
December ...	6.96	8.32	6.84	3.58	8.32						
TOTALS ...	44.28	35.10	49.28	37.47	45.61						

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1915						Hope	350 ft	NW

RAINFALL at Hope Killhill Bridge No. 56County of DerbyshireObserver D. W. ChadwickRiver Basin Trent. Derwent 6S. B. Winter Esq. cl.

Rain Gauge, by _____

Diameter ...						5							
Height						10						9	
Altitude ...						555							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals.	
January ...						6.54	3.25	3.33	4.27	4.70		16-19.	15.60
February ...						6.16	8.15	.78	4.54	2.42			15.89
March						2.27	4.37	3.28	2.05	6.66			16.36
April						1.61	4.13	2.78	1.87	2.67			11.45
May						1.37	2.50	1.87	2.36	1.73			8.46
June						1.72	3.35	1.98	2.93	1.66			9.92
July						5.25	1.54	1.28	3.42	3.22			9.46
August						3.31	2.03	6.60	2.62	3.47			14.72
September ..						.52	2.14	1.56	10.16	2.68			16.54
October ...						2.28	5.32	6.10	2.75	2.90			17.07
November ..						4.11	5.47	5.72	2.18	3.86			17.23
December...						9.38	3.63	2.90	8.05	9.45			24.03
TOTALS ...						44.52	45.88	38.18	47.20	45.47			176.73

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1915 g. 250ft SW. of Killhope Bridge, across river Noe.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Hope m.r.			Hope	1500ft	S.
	S 3° 20'	1° 45' W		3/4 mi	S. E.	St. Peter's	300 yds	S.

RAINFALL at Hope, Millhill Bridge No 66County of DerbyObserver D.W. ChadwickRiver Basin Trent-Tenwent 6

S.B. Wanser CC

Copper ~~Snowdon~~ Rain Gauge, by
Goodenall

Diameter ...	5											
Height	0 9					1.0				0.9		
Altitude ...	555	500	555							500		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	6.46	6.75	5.33	4.77	5.01	4.49	5.01	3.38	8.16	2.18	6.01	Totals 55.55
February ...	4.14	4.0	5.31	7.56	1.40	6.13	2.97	1.78	5.49	5.1	1.12	36.86
March	2.66	3.59	2.35	2.12	1.01	2.14	2.26	5.11	2.96	4.5	3.54	28.19
April	5.62	1.87	3.78	3.23	2.42	2.95	2.13	4.29	1.33	1.61	4.06	33.29
May	4.78	1.51	.82	4.21	5.63	4.14	3.10	1.22	9.7	2.84	2.14	31.36
June	2.97	.21	2.14	.94	1.86	.06	2.47	5.36	4.35	1.57	4.35	26.28
July	5.48	.90	4.12	4.65	4.70	1.34	2.53	2.30	1.31	3.35	5.64	36.22
August	1.43	4.61	5.85	4.35	4.33	2.30	3.51	3.83	5.23	3.15	4.48	43.07
September...	2.10	1.08	3.61	4.70	3.26	4.02	2.20	5.93	.71	2.02	4.62	34.25
October	2.39	2.05	1.38	3.91	4.81	4.72	3.71	3.02	5.37	4.93	6.79	43.14
November...	1.51	2.41	3.28	6.57	2.46	2.98	4.88	4.15	7.60	7.92	4.24	48.00
December...	5.78	6.08	5.81	4.33	3.37	4.17	2.80	2.52	3.28	10.07	4.35	51.06
TOTALS...	43.32	31.46	43.78	51.34	38.76	39.49	37.57	42.95	46.76	40.60	51.24	467.27 46.6

Inspected 28.11.21. 8. in garden behind house on L.H.S. of road from Hope to Millhill.
 Observer not but saw 6. in garden. Hence 36. high about 3 yrs 5. Small shrubs at
 distance of 2 yds. House to be at convenient distance. 6. only slightly sheltered at
 present.

1925. House 20 ft. high 18 ft. 14. 12.

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	55° 20'	1° 45'	Hope	3/4 mi	S E	St. Peter's	1/4 mi	S

RAINFALL at Hops (Killhill Bridge) No. 56County of DerbyshireObserver D. W. Chadwick, Esq.River Basin Trent - Derwent 6

Type of Gauge

Annual Average 40.4 in. based on 22 years obs. un-weighted. Period of average 1851-1915 Ref. 5

Diameter	5											
Height	1	0						0	9	1' 0" 9"		
Altitude	500					565		400	565	400		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	6.72	3.72	2.58	4.11	3.29	3.87	5.54	4.77	6.83	3.44		Total 44.87
February	6.14	5.9	8.11	3.6	6.11	3.79	7.45	2.31	2.66	2.61		37.13
March	3.0	3.23	3.21	3.77	1.53	2.86	3.48	1.40	3.34	2.42		25.54
April	5.49	5.34	1.65	2.41	3.86	1.80	2.45	4.6	2.48	3.88		27.82
May	2.52	4.81	1.79	2.16	4.49	1.43	2.92	3.58	1.50	.82		22.02
June	4.83	1.06	2.80	1.27	3.60	3.62	1.52	3.17	2.24	.83		24.74
July	3.87	3.51	2.34	2.79	1.41	4.76	3.77	5.55	6.71	3.36		38.07
August	6.30	1.21	.80	2.46	1.68	2.01	1.56	1.73	1.96	1.56		21.27
September	4.39	2.60	1.05	3.10	6.17	5.15	1.36	2.69	4.49	2.83		30.83
October	1.69	7.61	6.43	5.43	8.46	5.50	2.59	5.86	3.53	4.31		51.41
November	5.08	3.93	2.75	2.10	6.26	5.40	1.45	5.30	7.71	8.19		43.17
December	2.14	1.89	.71	5.86	5.42	4.76	3.68	5.29	2.40	5.13		37.28
TOTALS	49.47	39.50	31.22	35.82	48.28	44.95	37.77	42.11	42.85	32.38		411.35
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		46

N.B. Inspected 4/33. Retain.

1934. Home 20' high 20'E.

1936. Higher to be used in future see file.

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
1931.			Hops	3/4 m	S.E.	Hops	1/4 m	S.

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

Station No. TF. 2689RAINFALL at Hope (Kilbuck Bridge) N° 56

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County of DerbyshireObserver D. W. Chastock Esq.River Basin Great Ouse - 6Derwent Valley W. Bd.

Type of Gauge.....

Annual Average 40.4 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 370221/24

Diameter	5"			106	734							
Height	0'9"				1							
Altitude	400				41	565						
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means	
January	3.41	4.21	5.42	6.10	4.49	5.53	3.72	9.30	2.27	(2.49)		Total 46.74
February	4.22	1.89	3.70	3.00	4.55	8.03	2.80	3.09	2.21	(6.20)		39.69
March	5.92	2.38	1.37	.92	1.17	1.79	7.25	1.29	1.75	1.24		25.08
April	2.12	2.36	2.95	2.91	2.49	1.56	3.96	2.41	3.66	4.40		28.82
May	2.99	3.81	3.26	4.18	2.96	2.02	3.13	1.69	2.33	1.46		27.83
June	1.01	1.05	2.66	3.05	3.33	3.41	2.61	5.18	.99	1.44		24.73
July	3.73	3.61	1.59	3.58	1.67	3.64	2.65	1.74	2.55	2.20		26.96
August	5.37	3.25	3.33	2.83	2.61	3.97	.62	4.41	2.09	3.33		31.81
September	.34	2.58	4.05	4.61	2.16	5.29	1.69	2.49	1.50	4.70		29.41
October	4.47	5.16	2.35	4.42	6.93	1.28	.91	2.29	3.67	1.82		33.30
November	3.97	1.64	4.28	7.25	.59	7.68	5.37	2.30	(6.30)	5.14		44.52
December	2.85	3.52	1.86	3.55	3.01	4.79	5.21	3.81	(7.60)	2.88		39.03
TOTALS	40.40 D	35.46 D	36.82 D	46.40 D	35.96 D	48.99 D	39.92 D	40.00 D	(26.92) D	(37.25) D		378.12 D

All corrected by Registrar

1949 Nov. & Dec. est. by engineer.

1951: Eng'r said "... some misunderstanding at work... readings consistently lower than before... trees and shrubs... rather overgrown..." See met. 306A in File.

1951: Jan. & Feb. est. Apr. part est.

Estimates made for 6 months. 1950 record to be printed.

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. 2689

T.F. 26.

RAINFALL at HOPE (KINAHILL BRIDGE) No 56B

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County of JARVISObserver DERWENT VALLEY WATER B.D.River Basin TRENT - DERWENT - 6Type of Gauge SeptalographAnnual Average 40.4 in. based on 23 years obs. un-weighted. Period of average 1881 - 1915 Ref. S
41.53 " " 35 " " 1916 - 1950 1916 - 1950 370241/34 PFile No. 370241/34

Diameter ...	5"	106	734								
Height ...	0' 9"		1					12			
Altitude ...	565'		51	560'							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.42	5.21	1.14	3.52	2.49	7.36	2.67	4.72	3.26	6.34	
February ...	4.98	1.04	2.47	2.97	2.51	(1.29)	3.17	6.36	.28	2.32	
March ...	6.29	1.97	2.22	2.51	3.52	1.97	3.43	(2.72)	1.73	1.86	
April ...	1.72	3.21	3.05	.66	1.35	1.82	.18	1.17	3.43	2.07	
May ...	2.47	2.99	1.96	3.14	5.03	.58	1.54	3.33	1.10	1.66	
June ...	1.23	1.87	3.54	2.51	3.35	4.11	1.67	4.41	2.18	1.41	
July ...	1.70	1.65	3.77	4.08	1.84	7.17	3.79	(5.94)	2.37	5.43	
August ...	4.49	1.77	4.57	5.14	.65	7.20	6.79	(3.33)	.52	3.45	
September ...	2.51	3.58	2.06	4.06	1.72	3.81	7.34	4.35	.05	4.33	
October97	5.72	2.25	5.46	3.21	2.99	2.83	3.69	2.99	5.24	
November ...	8.75	2.97	2.30	6.69	2.38	2.10	2.12	1.22	4.91	4.97	
December ...	4.41	3.56	1.61	7.19	6.46	5.44	4.37	4.30	6.04	4.46	
TOTALS ...	42.94 np	35.54 np	30.94 d	47.93 D	33.51 D	45.84 D	39.90 np	45.54 np	28.86 np	43.54 D	39.42

1951 n.p. low
1952 n.p. low1953 Print. Less 2. in. in use from June 1953.
July 1953 1.60%. Tree 45, 50 N. Trees NE-E well now established. Site over-eroded W-S-SE. Tard well rec.

1957 np low

1959: - np low.

1958 np low.

1960 from each 26 ft. Tard well not yet built, trees not out. Owners will be asked.

Position of Station on Ordnance One-Inch map :

No. of Map 111

National Grid Reference

SK 171938

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
	c1915 ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓