

## RAINFALL at

Broadhead Clough

No 63

2709

County of

Derbyshire

Observer

S B Wincley CR

River Basin

Trans. Derwent 6

Rain Gauge, by

Diameter ...						5						
Height .....						10						
Altitude ...						1005						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...						(9.16)	5.02	4.68	4.92	5.40		Totals. 76.79. 20.02
February ...						7.52	10.37	9.6	7.25	2.68		21.26
March .....						2.02	5.97	4.10	2.35	7.22		19.64
April .....						2.31	4.69	2.51	1.62	2.23		11.05
May .....						2.06	2.94	2.34	4.07	2.26		11.55
June .....						1.62	4.54	2.00	3.10	1.65		11.33
July .....						6.76	3.14	2.31	4.52	4.22		14.19
August .....						4.44	2.26	8.92	2.89	4.62		18.69
September ..						.59	3.11	2.80	12.42	3.25		21.58
October ...						2.89	8.76	8.03	4.00	5.08		25.87
November ..						5.36	6.23	6.93	2.56	4.60		20.32
December...						11.08	5.19	3.40	10.06	9.31		27.96
TOTALS ...						(55.81)	62.20	48.98	59.76	62.52		223.46 4.82

1915 January estimated  
 1916 July + March record probably inaccurate due to snow drifting on gauge

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

RAINFALL at Broadhead Blough N: 63County of DerbyshireObserver S. B. Minner Esq C.E.River Basin Trent - Derwent - bDerwent Valley, W.L.5.00  
5.00  
4.99  
5.01On Snowdon Rain Gauge, by Casella

Glass reads only to .05 in.

Scale in mm of 5. tenths can be used.

Monthly

Diameter ...	5"											
Height .....	10											
Altitude ...	1005											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	6.94	8.91	6.53	5.76	3.61	6.59	6.83	4.60	12.73	2.37	7.76	Totals. 72.68
February ...	5.18	7.75	7.04	8.91	2.09	8.48	4.62	2.29	7.20	.93	1.71	49.20
March .....	4.35	4.65	4.95	2.91	1.57	2.79	2.93	7.28	3.93	.84	4.17	40.37
April .....	8.37	2.22	5.79	3.72	2.59	4.96	3.08	7.03	2.24	2.03	4.47	46.50
May .....	6.32	2.26	1.22	5.99	6.62	5.29	5.11	1.71	1.98	3.42	3.27	43.19
June .....	4.46	.39	2.79	1.19	2.18	.07	4.29	5.62	4.87	1.69	4.60	32.15
July .....	6.93	1.79	4.98	4.62	5.29	2.44	3.66	3.31	1.77	3.97	9.09	47.85
August .....	2.73	6.60	7.76	5.25	5.35	6.95	4.87	6.13	5.87	5.03	5.42	61.96
September...	2.31	1.39	5.13	5.66	5.02	4.82	3.44	7.24	.61	1.88	6.18	43.68
October .....	3.23	2.92	1.85	5.14	7.42	6.23	6.02	5.43	6.97	6.98	7.71	59.90
November...	2.11	2.80	3.83	8.29	4.06	4.61	5.68	7.47	9.78	10.68	6.20	65.51
December...	5.26	8.73	5.04	4.38	5.09	6.08	3.62	2.46	4.15	11.98	4.53	61.35
TOTALS...	58.19	43.41	56.91	61.82	50.89	59.31	54.15	60.57	62.18	51.80	65.11	624.34

Inspected 25.12.22. in grass land near bottom of valley running S.W.  
Excellent position.

1930 values appear satisfactory.

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	Direction from gauge

RAINFALL at Broadhead Clough No. 63County of DerbyshireObserver S.B. Winter F.R.S.E.River Basin Trent - Derwent 6Derwent Valley Water Board (1933)

Type of Gauge.....

Annual Average 52.3 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref S66069/25 370241/34

Diameter	5												
Height	10												
Altitude	1005						1010						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means		
January	8.12	7.03	3.90	4.78	3.72	5.08	7.61	7.29	7.85	(4.10)		Totals	59.48
February	8.44	7.3	5.72	5.0	8.67	4.54	8.63	3.18	5.02	3.10			48.53
March	4.2	3.81	3.50	5.22	2.73	4.89	4.05	1.83	4.84	4.15			35.46
April	6.72	7.13	1.59	3.79	4.10	2.58	3.44	5.6	3.55	4.02			37.49
May	2.88	4.96	2.13	2.90	7.2	2.39	3.53	4.05	2.97	1.22			27.75
June	6.08	1.13	3.42	1.74	3.86	4.31	1.62	4.42	3.46	.99			31.03
July	5.37	4.77	5.11	3.67	2.28	4.71	3.49	4.92	8.02	3.83			46.17
August	8.17	2.19	.86	3.90	2.20	2.42	1.43	4.00	3.16	1.84			30.18
September	6.18	4.97	1.93	3.77	7.20	7.13	1.85	3.40	2.92	5.24			44.59
October	2.31	9.33	6.91	7.03	11.52	6.13	3.78	10.53	5.67	5.54			68.55
November	6.26	5.40	3.34	4.08	9.43	7.44	3.21	7.13	9.64	11.76			67.69
December	2.48	2.43	.87	6.87	5.25	6.05	4.33	5.55	4.75	6.74			45.32
TOTALS	63.43	53.88	39.28	48.25	67.68	57.68	46.97	56.86	61.67	52.54			582.24
							M	M					48

v.8. Inspected x/33. "Retain".

1940 Jan est.

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	Direction from gauge



Station No. T.F. 2709RAINFALL at Broadhead Colange, N. 63

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County of DerbyshireObserver Derwent Valley Water BoardRiver Basin Derwent - Derwent - 6

Type of Gauge

Annual Average 50.8 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 37024/34  
660519/26

Diameter	5"			106	135							
Height	1' 0"				1							
Altitude	1005'				41	1010						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	4.80	(5.75)	6.45	10.58	6.34	7.86	4.32	12.82	3.44	4.00		Totals 66.36
February	6.74	2.22	4.50	3.65	6.95	9.17	(4.50)	4.83	3.40	9.25		54.21
March	7.73	3.30	2.22	1.15	2.00	2.52	(9.50)	2.28	2.36	2.54		35.60
April	4.28	2.71	3.91	3.62	2.83	2.01	5.12	3.19	5.96	6.07		39.70
May	4.14	4.46	2.86	4.62	3.73	3.25	4.06	2.60	3.76	3.03		37.51
June	1.36	1.05	3.47	3.00	4.97	(5.15)	3.21	6.78	.97	2.08		32.04
July	3.50	5.68	2.59	3.93	1.20	(4.70)	2.53	2.21	3.71	3.44		33.49
August	6.81	4.91	6.31	3.83	3.62	(4.96)	.41	6.10	4.50	3.91		45.36
September	.52	3.79	4.75	5.93	2.83	6.76	2.28	2.56	2.13	7.40		38.95
October	5.77	7.67	2.76	6.26	7.79	2.36	1.53	3.61	5.66	2.82		46.23
November	5.12	2.29	4.90	9.78	1.00	11.16	7.45	2.65	10.00	8.66		63.01
December	3.70	5.51	2.90	5.60	3.85	5.75	7.83	4.93	10.84	3.95		54.86
TOTALS	54.47	49.34	48.62	61.95	47.11	65.65	52.74	54.56	56.73	56.15		547.32
	M.	M.	M.	M.	M.	M.	M.	H.	H.	H.		1961

1941. Jan. corr.

1946. June, July &amp; Aug.

for snow. July est. by 10056.

est. agreed by 10056.

1942. Jan. adj. by obs.

40004

0160430004

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. 2709

B. 26

RAINFALL at Broadhead Clough No. 63

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County of DerbyshireObserver Derwent Valley Water Bd.River Basin Trent-Derwent-6Type of Gauge SeptapartAnnual Average 52.8 in. based on 14 years obs. ~~un~~-weighted.Period of average 1881-1915Ref. S55-35 " " " 35 " " 1916-1950File No. 370241/34

Diameter ...	5"			106	135							
Height ...	1' 0"				1			1' 4"				
Altitude ...	1016'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	6.06	7.24	2.60	5.50	4.31	(8.31)	4.36	6.16	5.80	9.30	59.64	
February ...	6.38	(3.91)	(3.20)	5.29	4.06	2.33	4.55	8.05	4.46	(3.78)	42.01	
March ...	4.42	3.06	3.86	3.22	4.20	2.77	4.62	3.43	2.67	2.89	38.64	
April ...	3.24	3.17	4.07	.88	1.94	3.71	.50	1.87	5.85	3.41	28.64	
May ...	4.44	3.11	3.08	5.45	5.75	1.31	1.76	4.57	1.60	2.28	33.35	
June ...	1.33	2.80	4.18	3.23	4.22	4.49	1.60	5.30	2.42	(1.87)	31.44	
July ...	3.03	3.24	5.92	5.74	1.21	9.20	4.73	5.80	4.57	8.48	51.92	
August ...	6.21	3.29	5.03	8.05	1.07	9.10	8.13	3.64	.89	4.90	50.31	
September ...	3.54	6.88	3.00	6.40	2.14	5.60	8.12	5.54	.18	5.37	46.77	
October ...	1.04	8.76	2.84	7.93	4.20	3.80	6.06	3.97	5.03	9.15	52.78	
November ...	12.22	4.22	3.89	9.03	2.76	3.09	3.72	1.39	7.84	7.75	55.90	
December ...	10.10	5.31	2.65	10.00	7.77	6.96	7.57	6.41	9.65	(5.65)	72.07	
TOTALS ...	65.01	54.99	44.32	70.72	43.62	60.67	55.72	56.63	46.96	(64.83)	563.47	
	M	M	M						M	M		

1956- Jan. part est. 1003  
 fresh. 1958. O'sheltone by hillside NE-SE. Rec. more 27 y. W. Lash in exam of funnel.  
 1900 from creek SW - gauge installed on 20/4/60.  
 1960 up 600 mesh ext.  
 20004 20004

(43)

Position of Station on Ordnance One-Inch map :

No. of Map 102National Grid Reference SK169962

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
	c. 1915	✓	✓	✓	