

RAINFALL at Hawgate Cobblers cottageCounty of W.R. Yorkshire

Observer

A. J. West Esq. C.E.

River Basin

Once NiddBradfordRain Gauge, by

Diameter ...				5							
Height .....				1.0							
Altitude ...				730							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1910-19 101 cms
January ...				3.00	1.67	4.10	1.70	2.35	2.08	3.59	10.22
February ...				1.16	1.78	3.70	3.50	.80	3.40	2.85	9.98
March .....				3.76	3.00	.81	3.40	2.40	1.19	3.20	10.19
April .....				2.97	.90	1.24	2.00	1.15	.93	1.88	5.66
May .....				2.82	1.37	1.54	3.15	2.09	4.03	1.48	10.75
June.....				1.90	2.76	.58	1.83	2.36	.85	1.50	6.34
July .....				.92	4.40	2.20	2.40	1.66	5.30	2.50	11.56
August.....				1.60	1.52	2.58	2.20	6.92	3.09	2.80	14.41
September ..				1.50	2.10	.63	1.78	1.08	7.30	1.80	11.46
October ...				3.00	2.80	1.35	5.78	3.90	2.16	8.60	15.44
November ..				2.74	4.30	1.88	3.10	3.30	1.70	2.06	10.16
December...				1.80	6.05	6.50	2.83	1.50	6.50	5.05	14.38
TOTALS ...				27.17	32.65	27.11	33.17	29.54	38.03	29.81	130.55

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Beckwithshaw <sup>Ch</sup>	1 3/4	E	Hawgate <sup>Lake</sup>	4 1/4 m	E.N.E

## RAINFALL at Harrsgate W.W. Cobblers Cottage

County of W.R. Yorkshire Observer A. S. West Esq. C.B.

Observer U. S. West Esq., C. B.

River Basin Guse-Nidd 11

Water Song Harragah

Bradford Rain Gauge, by  
Copper M.O. Smoker, good end

Respects of 3.94-23. S. situated in open field in fence - good shelter to W + S, but little open N. fairly good exposure. Some vines requiring pruning.

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
1920			Harrogate	4 1/4 mi	ENE	Beckwithshaw	1 3/4 mi	E

## RAINFALL at Harrogate W.W. (Cobblers Cott.)

County of West Riding

Observer A.S. West, Esq., C.E.

River Basin Ouse-Nidd-11

Type of Gauge

Annual Average 33.5 in. based on 1939 years obs. un-weighted. Period of average 1931-1940 Ref. 1.W.S.

(1939) 33.5 14

660560/26

Diameter	S.										
Height	1.0.										
Altitude	730.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means of 10 yrs
January	2.96	2.00	2.00	2.16	1.45	3.60	4.25	4.90	4.20	1.91	29.43
February	(2.60)	.41	4.40	.21	3.42	3.15	3.63	1.60	3.48	2.00	24.90
March	.60	2.12	1.46	2.53	.90	2.57	2.33	.45	2.80	2.50	18.26
April	3.16	2.70	2.66	3.60	1.80	1.25	3.10	.22	1.93	1.98	22.59
May	3.10	4.60	4.38	1.50	.98	2.45	2.99	2.90	1.23	.95	25.08
June	5.75	.65	1.98	2.00	3.55	3.62	2.82	3.83	2.50	.59	29.30
July	3.98	3.94	1.92	1.43	.81	4.71	2.00	3.20	5.97	3.65	31.61
August	3.47	1.39	0.47	1.52	2.68	2.79	1.35	4.00	3.12	.72	21.51
September	4.76	2.94	1.98	2.60	6.00	2.65	1.45	3.33	.98	2.65	29.34
October	1.23	4.30	3.48	2.78	5.02	2.31	2.87	5.60	2.80	2.80	33.19
November	4.80	2.40	3.89	2.51	6.75	4.34	1.70	3.35	6.57	5.10	40.91
December	1.36	1.82	0.94	6.25	2.45	2.51	2.20	5.45	2.46	3.62	28.56
TOTALS	(37.77)	28.77	29.25	29.09	35.81	37.96	30.69	38.83	38.04	28.47	334.68

1931. Feb. adjusted by surrounding stations.

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	Direction
1931			Harrogate	4½	ENE	Beckwithshaw	2 m	E

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

Station No. 3350

## RAINFALL at Harrogate W.W. (Cobblers Cott.)

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County of West Riding

Observer A.S. West Esq. CE

Revised 1945

River Basin Ouse - Nidd - L. I.

The Water Engineer

Type of Gauge

Annual Average 33.5 in. based on 14 years obs. un-weighted. Period of average 1881 - 1915 Ref. I.W.S.

File No. 660.560/26

Diameter	5"	058	483		8?	8"				
Height	1' 0"			1						
Altitude	730			41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	4.67 (4.17)	4.47	4.55	3.79	3.71	4.85	7.10	1.40	1.20	40.21
February	4.38	2.13	2.09	1.64	4.62	2.84	3.00	2.36	1.75	8.69
March	4.05	2.60	1.02	4.42 (1.01)	1.30	4.85	1.54	1.12	1.83	19.24
April	(2.50)	1.33	1.50	3.06 (2.08)	1.61	3.28	2.45	2.02	2.76	22.65
May	2.62	2.80	2.50	1.08	2.73	2.98	3.37	1.00	2.04	2.26
June	.10	.90	2.26	2.13	3.37	2.62	3.25	3.50	.86	.90
July	3.00	1.98	1.92	3.69	2.41	5.21	1.80	1.50	2.35	3.12
August	3.70	2.79	3.53	3.90	3.44	4.62	.68	4.70	2.45	6.08
September	.52	1.70	3.60	5.28	2.06	6.50	1.97	2.70	1.02	5.06
October	4.15	2.75	2.10	3.12	5.16	1.84	1.44	1.60	3.72	1.37
November	3.38	1.47	2.91	6.74	.63	6.33	3.28	1.34	4.50	4.78
December	1.19	3.16	2.40	4.15	2.18	2.44	3.22	3.11	4.25	1.70
TOTALS	34.26	27.84	30.30	39.16	33.48	42.01	34.99	32.90	27.51	36.05
	M	M	M	M	M	M	M	M	m	M

1941 April approximated from nearby sites.

1942 Jan. etc. by observer.

1945 March &amp; April approximated

14004

04004 40004

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	Parish Church	Distance from gauge
1941			Harrogate	4.2 miles	E.N.E.	Barden Moorshaw	2 miles E.

Station No. 3350

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RAINFALL at 8 Harrogate W.W. (Cathedral Gothic)

County of West Riding - Yorks.

Observer The Water Engineer,  
Leeds Water Board.River Basin Dove - Nidder - Ure

Type of Gauge. M.O.

Annual Average 33.5 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. 1.W.S.  
33.95 " " 35 " " 1916-1950 PFile No. 66050726 E 16133/53

Diameter	8"	058	483							5"	
Height	1'0"			1						1'3"	
Altitude	730'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	2.50	2.86	.95	2.06	2.18	4.80	2.33	2.85	3.73	6.01	30.27
February	3.46	.66	2.32	2.59	2.82	2.55	3.05	5.51	.29	3.13	26.38
March	3.95	2.08	.80	1.90	2.21	1.26	2.71	2.43	1.41	2.43	21.18
April	.90	1.22	2.52	.43	1.02	3.05	.42	.92	3.68	1.78	15.94
May	5.80	2.05	1.70	4.20	3.17	.91	1.32	4.24	1.09	2.95	25.43
June	.96	1.67	1.65	2.11	2.40	2.95	2.21	4.22	1.49	1.09	20.75
July	2.27	1.23	3.25	1.82	.85	5.17	2.92	3.32	2.37	4.93	28.13
August	5.38	3.13	5.08	6.48	1.94	7.10	6.02	2.14	.84	2.75	41.16
September	2.85	4.55	3.32	3.21	1.46	4.71	4.58	3.50	.22	3.59	31.99
October	1.01	3.36	1.96	4.58	2.46	1.58	3.65	2.57	3.35	6.10	30.62
November	7.58	1.97	3.77	5.94	2.67	1.08	2.25	1.09	4.87	6.12	37.34
December	3.59	2.26	1.70	4.20	4.86	3.79	3.54	5.50	6.68	4.86	40.98
TOTALS	40.25	27.04	29.02	39.82	28.04	38.95	35.00	38.29	30.02	43.74	350.17
	M	M	M	M	M	M	M	M	M	M	

Incl. In 1959 9.80K. Avg. expect more direction. But little for monthly reading mon.  
cap. 36". Tuf-wall fan

\$ Tuf-wall

Position of Station on Ordnance One-Inch map : No. of Map. 96 National Grid Reference 44/238526

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Harrogate	4 1/2 m ENE	Reckwithshaw	2 m. E

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 1913	V	V	-	V