

RAINFALL AT Harrogate Bilton

Lat.

Lon.

County of Wt York

Northham

Snordon Rain Gauge, by Standon

Observer. F J Dixon Esq C.E.

Widd - 11. Glauver

F Bagshaw Esq C.E.

Diameter ..							5				
Height							1	0			
Altitude ..							208	ft			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							3.58	1.11	1.41	1.14	
February ..							1.81	1.70	1.63	.64	
March							1.83	1.96	3.73	3.79	
April53	1.36	2.43	2.53	
May							1.98	4.20	2.32	1.78	
June							1.21	2.82	1.11	3.19	
July							1.49	1.57	2.24	3.45	
August							2.87	1.58	1.92	3.42	
September..							.60	.70	2.45	1.67	
October....							4.53	6.83	1.72	2.09	
November..							3.61	2.40	1.63	.92	
December ..							1.72	3.13	1.27	3.96	
TOTALS ..							25.76	29.36	23.86	28.58	

1906 Bilton Church 1/2 mile S

Harrogate Station 2 1/2 " S

House 25 ft high 100 ft N

1908 Working near

1909 Widd Station 1 mile N

058569 10 3364

RAINFALL at Hanrogate Bilton Sewage WorksCounty of W. R. YorkshireObserver F. Bagshaw Esq. C.E. & R. W. E. & C.E.River Basin Ouse Nidd 11Rain Gauge, by Richer No. 7

Diameter ...	5										
Height	1	0									
Altitude ...	208	ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS. TOTALS
January ...	3.75	1.49	4.22	3.45	1.84	3.84	1.44	2.75	2.41	3.65	10.25
February ...	2.92	2.18	1.83	.95	1.81	3.50	3.82	.74	2.98	1.82	9.36
March57	1.61	3.70	3.85	2.36	.88	4.15	2.32	1.23	4.10	11.80
April	2.72	1.24	.25	3.20	1.27	1.24	1.49	1.66	.94	1.58	5.67
May	2.40	1.00	3.15	1.84	1.23	1.72	2.82	1.79	3.01	1.48	9.10
June	2.12	2.91	6.58	1.38	2.67	1.22	1.85	1.73	.71	1.17	5.46
July	2.73	.31	4.70	.87	4.32	4.09	1.42	1.26	3.84	2.75	9.27
August	3.91	2.57	5.06	1.06	1.12	2.09	1.91	7.10	2.62	3.40	14.03
September ..	.21	2.44	1.91	1.23	1.30	.69	1.77	.62	6.86	.81	10.06
October ...	3.11	2.78	2.80	2.39	1.82	1.21	5.02	4.16	1.60	3.16	13.94
November ..	3.52	3.39	1.82	2.30	4.33	1.74	2.83	2.25	1.89	2.32	8.99
December ...	2.89	4.71	2.69	2.20	6.54	6.82	1.86	1.45	5.13	4.62	13.06
TOTALS ...	30.86	26.63	38.71	24.72	30.11	29.04	30.38	27.83	32.92	29.84	120.99

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Hanrogate	1 1/2 m	NE SE S	S. John	1 1/4 m	S SE

RAINFALL at Harrogate Bolton Sewage WorksCounty of W. R. YorkshireObserver C. E. Rivers Esq. CERiver Basin Ouse - Nidd 11Barns Esq. HarrogateGlaisier M.O.
Rain Gauge, by Nag.

Diameter ...	5											
Height	1 0											
Altitude ...	203											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	1920-30 Totals
January ...	4.15	3.76	4.12	1.58	2.34	2.37	3.40	2.38	6.44	1.97	5.17	37.68
February ...	1.97	.11	3.00	5.09	.89	4.60	2.28	1.22	5.17	.79	1.10	24.22
March	2.60	1.92	1.96	1.77	1.49	.99	1.29	1.88	5.06	.54	2.67	20.17
April	4.46	1.21	3.26	2.09	1.86	4.04	1.05	1.77	0.93	1.15	2.96	24.78
May	3.18	1.95	1.01	3.30	4.96	5.00	2.10	1.84	2.98	1.60	1.43	29.35
June	1.54	.17	1.49	1.11	2.10	.03	3.45	2.59	4.47	1.40	1.53	19.88
July	5.73	1.53	4.73	2.70	3.53	1.26	1.73	4.13	0.63	3.33	4.51	33.81
August	1.60	3.60	5.46	3.65	3.01	1.84	3.02	8.00	4.01	2.17	3.39	39.75
September...	1.00	.96	3.51	2.41	3.33	2.67	1.66	4.02	0.47	.48	3.89	24.40
October	3.58	1.53	1.24	3.20	3.34	3.46	3.44	3.07	5.22	3.19	2.21	33.78
November...	1.66	2.43	1.05	3.31	2.54	2.02	5.54	2.74	3.60	4.12	5.09	34.10
December...	3.05	3.53	4.28	3.36	3.41	3.87	.89	2.78	1.84	6.32	2.84	36.17
TOTALS...	34.52	23.00	35.11	33.57	32.80	32.15	29.85	36.42	56.82	27.06	36.79	358.09

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1925	54° 1'	1° 32'	Harrogate	1 1/2 mi	SE	St. John's	1/2 mi	SE
				1 3/4 ..	S.	Bilton	1/2 ..	S.

RAINFALL at Harrogate (Bilton Sewage Works)

County of West RidingObserver C. E. Rivers, Esq., C.E. died 1937River Basin Ouse - Nidd - IlL. H. Blake CEType of Gauge Snowdon M.O. 4WBorough Corporation (1935)Annual Average 28.5 in. based on 25 years obs. un-weighted. Period of average 1881-1913 Ref. 5

Diameter	5.										
Height	1.0.										
Altitude	208.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals
January	1.89	2.19	2.21	1.98	1.84	4.26	4.62	4.09	4.88	1.31	29.37
February	2.42	.34	4.58	.39	3.31	2.76	5.13	1.40	2.56	2.00	24.89
March	.77	1.80	1.65	2.64	.72	2.66	2.79	.13	2.03	1.94	17.13
April	3.48	2.82	1.19	3.45	2.26	1.91	3.22	.10	1.26	2.29	21.48
May	3.61	4.90	2.82	1.58	1.18	2.35	3.29	4.13	1.15	1.61	26.62
June	5.25	.55	1.10	2.32	3.12	4.73	1.31	2.39	2.01	.36	23.14
July	3.91	4.05	1.77	1.25	.44	4.73	2.25	3.06	4.45	5.49	31.40
August	3.40	1.46	0.44	1.44	1.76	1.90	.49	3.37	1.79	.63	17.18
September	5.82	2.20	2.39	2.17	4.69	2.04	1.56	2.43	1.13	2.37	26.80
October	1.02	3.75	3.77	2.57	5.05	1.89	2.33	5.90	3.12	3.73	33.13
November	5.05	2.20	2.94	2.15	5.19	3.23	2.03	3.80	3.66	4.13	34.38
December	1.23	1.39	0.62	5.50	2.50	2.16	2.69	4.21	2.03	2.86	25.24
TOTALS	37.90	27.15	25.48	27.44	32.06	34.72	32.21	35.01	30.07	28.72	310.76

1931. House 30' high 50 yds NW.

1934 " 30' " 100' S.

1935. Plantation 25' high 15 yds. S.W.

1937. Copse 30' high 60' S.W.

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
1931			Harrogate	2m	S	St. John's Bilton	1/2 ml	S

Station No. 3364

RAINFALL at Harrogate (Bilton Sewage Works)

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County of West Riding

Observer Borough Corporation

River Basin Ouse Nidd - 11

Type of Gauge Snowdon

Annual Average 28.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S

31.19

1916-50

File No.

Diameter	5"										
Height	1' 0"										
Altitude	208'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50
January	3.47	3.19	4.12	3.24	3.79	3.04	2.60	6.81	.86	1.33	32.45
February	4.42	1.22	1.31	1.45	3.29	3.80	2.55	1.79	1.08	6.63	26.54
March	3.58	2.57	.76	.40	.88	1.28	5.99	1.43	1.02	1.21	19.12
April	1.12	1.45	1.41	2.81	2.06	1.56	3.05	2.64	2.52	2.60	21.22
May	1.66	2.84	2.21	.72	2.32	2.79	3.45	.93	1.83	2.10	20.87
June	.23	.85	2.53	3.74	2.85	2.56	3.86	3.43	.88	.87	21.50
July	2.19	2.46	1.32	3.56	1.73	3.92	3.00	1.01	2.45	2.98	24.66
August	2.62	2.69	2.45	3.22	4.07	4.19	.78	4.29	2.37	4.40	31.08
September	.43	1.75	3.21	5.14	1.44	6.00	1.68	2.01	.93	3.34	25.93
October	3.74	2.40	1.67	2.77	4.08	1.34	.93	.99	2.98	1.94	22.84
November	3.24	1.21	2.53	5.70	.44	6.02	2.63	1.14	4.88	4.04	31.83
December	.62	2.18	1.69	3.06	2.22	2.91	2.54	2.96	3.76	1.74	23.68
TOTALS	27.32	24.81	25.21	35.81	29.17	39.41	33.06	29.43	25.56	31.88	301.66

1941 6 opp ice 25' high 25 yds N.E.

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
1941			Harrogate	1 3/4 mi.	S.	St. John's Bilton	2 mi.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 3364RAINFALL at Harrogate (Bilton Sewage Works) MWR (1953) **51**County of West Riding - Yorks.

Observer

CooperationRiver Basin Don - MiddleType of Gauge Standard 215Annual Average 28.5 in. based on 25 years obs. unrecogited. Period of average 1881-1915 Ref. (S) AWS
31-19 " " 35 " " 1916-1950 196-1950 P 1953

File No.

Diameter ...	5"										
Height ...	1'0"										
Altitude ...	202'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.42	2.77	.51	1.86	1.90	4.18	1.75	2.45	3.03	5.16	26.03
February ...	3.08	.47	2.05	2.58	1.91	1.36	2.63	4.22	.12	2.03	20.45
March ...	4.55	2.16	.55	1.88	1.96	1.19	1.85	1.85	1.35	2.48	19.82
April ...	1.25	1.29	2.56	.33	.79	2.53	.44	.71	3.80	1.38	15.08
May ...	6.22	1.81	1.44	3.44	2.04	.76	1.24	3.56	.61	2.38	22.00
June ...	1.20	1.75	1.47	1.93	1.80	3.25	1.78	3.46	1.15	0.96	18.65
July ...	2.23	1.49	2.17	1.08	1.04	4.84	3.78	3.49	1.49	3.75	25.36
August ...	5.59	2.96	3.58	5.78	1.07	6.27	5.13	4.33	.76	2.61	38.08
September ...	2.15	3.62	2.11	1.92	1.18	3.09	3.37	3.65	.12	2.85	24.06
October ...	1.00	3.40	2.01	3.98	1.86	1.28	3.00	2.03	2.32	6.78	27.66
November ...	6.96	1.49	2.62	5.30	2.33	.52	1.75	.71	4.22	5.36	31.26
December ...	2.96	1.98	1.17	2.52	4.18	2.90	2.92	4.52	5.54	3.18	31.87
TOTALS ...	39.61	25.19	22.24	32.50	22.06	32.17	29.64	34.98	24.51	37.42	300.32
	D	D	D	D	D	D	D	D	D	D	

1951. Replacement 40' higher 40' x W. (Christophel instruments from Haulow Road)
 2nd 1951 Site for Christophel station not good for temp. + humidity. Old gauge to be replaced by newer one from
 Haulow Road
 Better gauge from Haulow Road on 21/5.

1951 89 78

18th of November

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44)303579

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Harrogate	3m. SE	Bilton	1m. SE

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
	✓	✓	✓	✓	
	-	-	-	2.78.50	
				2.49	