

## RAINFALL AT Harrogate Harlon Hill Reservoir No 1

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

5 yards  
500 ft.  
Rain Gauge, by  
Staiger N.P. mid -11.

Observer J. F. Dixon Esq C.L.

J. Bayshaw Esq C.L.

Diameter ..								8		
Height ..								10		
Altitude ..								552 ft 589 ft		
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..								1.08	1.31	1.04
February ..								1.49	1.43	.57
March ..								2.22	3.29	3.16
April ..								1.19	2.43	2.90
May ..								4.54	2.77	1.78
June ..								3.24	.98	3.30
July ..								2.07	2.82	3.56
August ..								1.85	1.75	3.34
September ..								.99	2.66	1.53
October ..								7.04	1.84	2.42
November ..								2.74	1.52	.85
December ..								3.29	1.18	3.90
TOTALS ..								31.74	23.98	28.35

1907 St Marks Church  $\frac{1}{3}$  mile S E  
 Harrogate Station 1 mile E  
 Engine Shed 15 ft high 100 yards NE  
 1908 Nothing near W

## RAINFALL AT Hanover Hill Reservoir No 2

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

Revolving Rain Gauge, by M.F. } Observer F.J. Aspinwall Esq.  
Wind - II.

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height ..									4 6		
Altitude ..									552 ft		
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..									.94		
February ..									1.35		
March .....									2.10		
April.....									1.14		
May .....									4.34		
June .....									(3.10)		
July .....									2.03		
August .....									1.75		
September..									.94		
October....									6.12		
November..									2.56		
December ..									3.27		
TOTALS ..									29.64		

Particulars same as No 1 Gauge

058527

10 3359

## RAINFALL at Harrogate Harlow Hill Res No 1

County of W.R. Yorkshire

Observer F. Bagshaw Esq. C.L. A.J. West Esq. C.S.

River Basin Ouse - Nidd II

Platinum Rain Gauge, by

Diameter ...	8											
Height .....	10											
Altitude ...	589 ft	551 ft		589 ft								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS TOTALS	
January ...	3.15	.97	3.68	2.14	1.46	3.99	1.51	2.06	2.29	3.83	9.71	
February ...	2.54	2.51	1.82	.87	1.53	3.35	3.45	.78	2.85	1.74	8.77	
March .....	.55	1.25	3.66	3.21	2.64	.78	3.01	1.91	1.05	2.93	9.20	
April .....	2.68	1.10	.31	3.03	1.12	1.29	1.53	1.39	.70	1.49	5.11	
May .....	2.24	1.03	3.11	2.18	1.48	1.55	2.91	1.95	2.95	1.89	9.10	
June.....	3.04	2.87	6.60	1.46	1.91	.75	1.77	1.50	.64	1.34	5.25	
July .....	3.20	.44	4.94	.98	4.81	8.78	1.75	1.01	4.01	8.88	9.00	
August.....	4.10	2.86	5.72	1.13	1.87	2.26	1.76	6.77	2.93	8.17	13.63	
September ..	.20	2.88	1.88	1.25	1.53	.77	1.94	.85	6.79	1.01	10.59	
October ...	3.90	2.94	3.22	2.86	1.89	1.22	5.44	3.78	1.62	3.10	13.94	
November ...	3.42	3.21	1.53	2.40	3.87	1.52	2.42	2.70	1.36	1.71	8.19	
December ...	2.82	4.49	2.53	1.67	6.33	6.49	2.09	.99	3.08	4.12	12.28	
TOTALS ...	31.94	26.56	39.00	24.18	29.94	27.70	29.88	25.66	32.27	26.96	114.77	

Rejected from Survey: 2° too low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Harrogate	1 m	NE	Harlow	1/2 m	SW

## RAINFALL at Harrogate Harlow Hill Reservoir No. 1.

County of N. R. Yorkshire

Observer A. S. West Esq. G.B.

River Basin Ouse, Nidd 11

Water Emp. Harrogate

Gauge Rain Gauge by  
8.00 } no later than 23.  
7.99 }  
7.98 }

Glass bell jar cover

Diameter ...	8	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS
Height .....	10												
Altitude .....	589												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	3.22	3.64	3.02	1.61	2.11	2.82	2.91	2.27	6.69	1.51	5.12		34.92
February ...	2.06	10	2.82	4.53	1.82	4.45	2.30	1.20	2.91	.70	.78		22.67
March .....	2.27	1.71	1.81	1.62	1.31	.76	1.00	1.94	2.65	.55	2.31		17.93
April.....	4.20	1.19	3.10	2.00	1.86	4.06	1.26	1.78	.92	1.33	2.83		24.53
May .....	2.69	1.74	1.08	3.25	4.56	4.38	2.25	1.99	2.29	1.51	1.58		27.12
June .....	1.83	14	1.41	.88	2.78	.04	3.38	2.94	5.46	1.20	1.74		21.80
July .....	6.06	1.51	5.06	2.88	3.61	1.41	2.38	4.65	.88	3.04	5.09		36.57
August .....	1.57	3.72	6.84	3.62	3.12	2.52	3.09	8.62	4.00	2.26	3.73		43.09
September...	97	1.03	3.29	2.41	3.20	2.48	1.35	3.90	.44	.49	4.28		23.84
October.....	3.32	1.61	.70	3.60	3.55	3.49	3.19	3.03	5.16	3.32	2.48		33.45
November...	1.54	2.30	1.16	2.92	2.37	1.79	5.45	2.72	3.71	4.23	4.54		32.73
December...	2.88	3.58	3.45	3.11	3.29	3.75	.78	2.13	1.58	5.51	2.59		32.65
TOTALS...	32.61	22.27	33.74	32.43	32.58	31.95	29.34	37.17	36.69	25.65	37.07		381.53

Inches &amp; ft. 2. J.H. 23.

Gauge along N.E. tipping bucket gauge 5 ft. high. Amounts from traces of records in good agreement with amounts from Rain gauge on low slope E.N.E. Drop of 8 ft. in about 6 yrs + further drops with increased conception. Support rain gauge in tree about 50 yds away to good path & having recorder to ft. + reading all day for a year.

Tipping.

Rejected from Survey: 2° too Low

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	Parish Church.	Distance from gauge
			Harrogate	1 mi	N.E.	Harlow	1/3 mi SW

## RAINFALL at Harrogate (Harlow Hill Res.)

County of West Riding

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

River Basin Ouse - Nidd - 11

Type of Gauge

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

Ref.

660560/26

Diameter	8.										
Height	1.0.										
Altitude	589										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.56	2.26	1.96	2.28	1.45	3.99	3.48	4.02	4.42	1.39	26.81
February	2.39	.21	3.50	3.33	3.55	2.28	4.50	1.61	2.86	1.67	22.90
March	.61	1.97	1.72	2.75	.96	2.71	2.63	.22	2.23	1.93	17.73
April	3.35	2.63	1.35	3.81	2.09	1.76	3.38	.13	1.53	2.66	22.66
May	3.32	4.93	3.24	1.76	1.10	2.12	3.11	3.17	1.10	.80	24.65
June	5.76	.63	1.30	2.40	3.23	4.64	1.65	2.96	1.96	.35	24.88
July	3.59	4.20	2.65	1.32	.71	4.45	2.14	3.94	6.27	5.58	34.85
August	3.77	1.43	0.32	1.51	1.88	2.07	.89	3.80	2.18	.71	18.56
September	5.56	2.81	1.93	2.45	5.39	2.45	1.28	2.73	1.11	2.09	27.80
October	1.04	3.88	3.97	2.66	5.35	1.85	2.25	5.33	2.88	3.22	32.43
November	5.07	2.32	2.73	2.41	5.57	3.23	1.80	3.62	4.53	4.17	35.45
December	1.20	1.19	0.72	6.03	2.36	2.39	2.75	4.50	2.10	2.92	26.16
TOTALS	37.22	28.46	25.39	29.71	33.64	33.94	29.86	36.03	33.17	27.49	314.91

1942. Obs. stated W.H. 589' due to printing error. Correct 549'

Rejected boundary as 2' too low. Letter sent 10/8/33.

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	1 1/4 m	NE	Harlow Hill	1 1/4 m	SW

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

## RAINFALL at Hornigate (Harrow Hill Res) mm/g.

County of West Riding..... Observer..... A.S.Wood Esq. C.E.

Observer A.S.West Eng. C.E.

River Basin. Quae - Nidd - 11.....

Type of Gauge.....

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

060560/26

Diameter	.....						8				
Height	.....						1 6 1 0				
Altitude	.....						561				
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	.....							3.49	4.03	4.42	1.39
February	.....							4.54	1.62	2.84	1.67
March	.....							2.66	.22	2.25	1.94
April	.....							3.38	.14	1.63	2.66
May	.....							3.12	3.17	1.13	.80
June	.....							1.65	2.97	1.98	.35
July	.....							2.12	3.92	6.29	5.57
August	.....							.89	3.80	2.18	.71
September	.....							1.28	2.74	1.11	2.09
October	.....							2.25	5.35	2.88	3.22
November	.....							1.81	3.61	4.53	4.14
December	.....							2.74	4.50	2.40	2.92
TOTALS	.....							29.93	36.07	33.36	27.40

Records not required, being almost identical with No. 3358.

*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
1937			Harrogate	1 $\frac{1}{4}$ miles	N.E.	Harlow Hill	1 $\frac{1}{4}$ miles	S.W.

Station No. 3358

41

## RAINFALL at Harrogate (Harlow Hill Res.)

Retired 1945

County of West Riding

Observer A.S. West Esq. CE

River Basin Ouse Nidd

The Water Engineer

Type of Gauge

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

Ref.

File No. 660560/26

Diameter	8"		058	527								
Height	1' 0"			1								
Altitude	549 589			41			549, 589					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means	Totals
January	3.34	3.18	4.05	4.15	3.34	3.46	2.24	7.03	1.13	1.80	33.72	
February	4.05	1.35	1.40	1.50	3.88	3.50	(3.09)	1.94	1.23	0.08	27.02	
March	3.17	2.16	1.03	.39	1.18	1.10	1.00	1.46	.94	1.11	19.54	
April	1.90	1.69	1.44	2.87	2.21	1.77	3.33	2.63	2.45	2.81	23.10	
May	1.67	2.98	2.21	.69	2.34	3.08	4.06	1.06	2.03	2.09	22.21	
June	.26	1.04	2.62	2.95	3.06	2.08	3.41	3.80	.85	.60	20.66	
July	2.85	2.36	1.33	3.34	2.27	3.80	3.96	1.07	2.51	3.29	26.78	
August	3.01	2.33	2.93	3.38	3.53	4.61	.93	3.86	2.43	4.82	31.59	
September	.38	1.94	3.14	5.23	1.96	5.87	1.91	1.92	.93	4.23	27.51	
October	4.43	2.52	1.84	3.08	4.50	1.95	1.07	1.7	3.16	2.18	25.90	
November	3.13	1.44	2.23	5.79	4.8	6.16	3.00	1.28	4.20	4.26	31.97	
December	1.04	2.47	1.63	3.22	2.16	2.50	2.55	3.56	4.04	1.78	24.90	
TOTALS	29.22	25.52	25.85	36.59	30.91	39.88	36.55	30.78	25.90	33.70	314.90	

1942. Obs. stakes lost of 589 prints in snow in second book Count 4.549

1947. Feb. part saved for snow

20004

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
1941			Harrogate	1 1/4 miles	N.E	Harlow Hill	1 1/4 miles	S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3358

## RAINFALL at Harrogate (Harlow Hill Res.)

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County of West Riding - Yorks  
River Basin Ouse - Nidder - 11Observer The Water Engineer  
The Water Board

Type of Gauge 17.0 (mm) 14.5 (in) 5.2 9.0 / 5.1

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

From unweighted &amp; old until 1960 - still for 1960-67

Ref.

20346/57

File No. 660560/26 E16133/53

Diameter	8"	058	527							Means
Height	1' 0"			1						Total
Altitude	549'			57						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January	3.17	3.03	.54	1.69	1.62	4.06	1.76	2.33	3.14	4.95
February	3.24	.47	1.30	2.40	1.83	1.42	2.27	4.06	.10	2.27
March	4.17	2.07	.69	1.74	1.98	1.25	2.31	1.80	1.34	2.32
April	1.38	1.39	2.47	.33	.97	2.29	.34	.96	4.06	1.41
May	6.14	1.51	1.41	4.54	2.49	.80	1.19	3.57	.65	0.86
June	1.36	1.89	1.58	1.77	1.77	3.71	1.59	3.49	1.34	1.10
July	2.30	1.44	3.03	1.14	1.20	4.84	2.74	3.62	1.76	4.66
August	6.74	3.35	3.90	6.43	1.09	6.85	5.82	2.94	1.01	2.49
September	2.82	3.62	2.14	2.57	1.59	4.00	4.05	3.61	.18	3.34
October	.93	3.36	2.12	3.89	2.14	1.41	3.30	2.06	2.93	6.34
November	7.19	1.71	2.89	5.45	2.39	.81	1.90	.85	3.96	5.86
December	3.34	2.08	1.35	3.22	4.04	2.29	2.85	4.34	5.68	3.53
TOTALS	42.78	25.92	23.42	35.22	23.11	33.73	30.12	33.63	26.15	39.13
	D	D	D	D	D	D	D	D	D	D

Site above R. Blawdale 545 Below level of g. running. Occupied A.T.E.N.C. over all plain slope of ground to tower. Weather on site varying up to Blawdale Hill. Small buildings K.S. 10, 18, 35, 11, 12, 32, 33.

Ref. B 1959 & B.O.K. Overhead N-S.E. Better site available 300ft. to NW/N in second field. Same NR.

with Yorks One R. B. T.C.

Position of Station on Ordnance One-Inch map : No. of Map 96 National Grid Reference 44289542

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951.			Harrogate	1/4km	NE.	Harlow Hill	1/4km SW.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-Rejected

Record D, or d	1910-19 43	1920-30 53	1931-40 63	1941-50 73	1951-60
	✓	✓	✓	✓	✓