

RAINFALL at

Harrigate Long Stoop

N

County of W. Yorksh.

Observer

A. L. West Esq. C.E.River Basin Once Nidd 11Bradford Rain Gauge, by

Diameter ...				5								
Height				10								
Altitude ...				700								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...				3.72	1.85	4.90	2.46	2.40	2.90	3.60		
February ...				1.32	1.85	3.80	4.25	.76	3.80	2.40		
March				3.76	3.10	.85	2.50	2.20	1.20	3.03		
April				3.20	1.15	1.35	1.80	1.30	.80	1.60		
May				2.55	1.60	1.75	2.10	2.00	3.90	1.55		
June				1.35	3.10	.48	1.90	2.45	.90	1.11		
July				1.80	3.60	1.90	2.20	1.45	3.20	3.20		
August				1.00	1.60	2.90	2.25	6.84	3.14	2.30		
September ..				1.60	1.40	.55	1.76	.90	7.50	1.30		
October ...				2.75	2.65	1.55	6.20	4.55	2.00	3.40		
November ..				2.35	5.05	1.95	3.25	3.35	1.60	2.03		
December...				1.55	6.07	7.75	2.35	1.20	6.20	5.30		
TOTALS ...				26.95	33.02	29.73	35.02	29.50	38.84	30.52		

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Fewston	1 1/2 m	SW	Burthol	3 1/2 m	NE

RAINFALL at Harrigate W. R. Long Stoopalso known as Ellisale Farm 20County of N. D. YorkshireObserver A. S. West Esq. C.E.River Basin Cuse-Nidd 11Water Eng. HarrigateCal. in BradfordRain Gauge, by Cassella

18949

M in drain pipe. Good condition VII-23.

Diameter ...	5"										
Height	1.0										
Altitude ...	700										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean
January ...	3.85	5.00	3.20	2.05	2.44	2.70			5.80	2.19	6.09
February ...	2.20	2.4	3.45	5.00	1.00	4.96			3.57	.63	1.25
March	2.60	1.89	2.00	1.55	1.40	1.10			3.10	.61	2.83
April	4.60	1.00	3.40	2.70	1.85	4.00			.90	1.29	2.11
May	3.60	2.00	1.00	3.30	3.95	5.17			2.30	1.44	1.75
June	3.00	1.2	1.35	.98	3.20	.05			5.65	1.03	2.20
July	5.90	1.78	4.90	3.90	4.89	1.00			.70	3.21	4.30
August	1.10	3.76	5.50	4.30	3.40	3.05			3.75	(2.50)	3.60
September...	1.20	1.20	3.61	3.70	3.55	2.25			1.10	.53	3.81
October	3.12	2.00	1.20	4.00	3.60	3.80			5.15	3.33	3.14
November...	1.65	2.65	1.30	4.00	2.72	2.20			8.00	4.22	4.81
December...	3.30	4.50	3.24	3.70	3.40	4.08			2.25	7.50	3.20
TOTALS...	36.12	26.14	34.15	39.18	35.40	34.36	NO	NO	42.27	(28.48)	39.09
				M	M	M			M	M	M

Inspected 25.3.21.23 5 in open ^{new} field with border round. Some shells to S.W. - small large 30 yds S + lines 150 yds W. Open to E + N but flat. Recommened banking fence up to 1 ft 6 in. with turf. Slightly overexposed - fairly good.

1926/7 no other gauge out of order. Recommened 1928 as Ellisale Farm
1929 August estd. gauge out of order. See file 660560/26, incl. 32A. Letter to Observer.

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	Direction
1920			Leoston BIRSTWITH	1 1/2 mi	SW	Birstwith FENSTON	3 1/2 mi	NE
				3 1/2 mi	NE		1 1/4 mi	SW

RAINFALL at Harrgate W.W. (Long Stoop)County of West Riding Observer A.S. West, Esq., C.E.River Basin Ouse Nidd - 11

Type of Gauge

Annual Average ~~32.2~~ in. based on ¹⁰ years obs. un-weighted. Period of average 1881-1915 Ref. J. I.W.S.
(1939) 33.8 660560/26

Diameter	5.											
Height	1.0.											
Altitude	700.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	2.10	3.17	2.50	2.17	1.53	4.18	3.70	4.60	5.45	1.52	30.72	
February	1.80	.35	4.00	.28	3.90	3.10	3.50	1.40	3.40	1.58	23.31	
March	.70	2.50	1.00	2.92	.60	2.36	3.05	.42	2.72	2.45	19.22	
April	3.70	3.00	2.50	3.62	2.00	1.18	2.48	.21	1.53	2.93	23.95	
May	3.50	4.80	3.50	1.95	.95	2.62	3.25	2.77	1.03	1.00	24.87	
June	6.70	.71	1.68	1.70	3.65	6.05	3.02	3.20	2.34	.79	29.24	
July	3.98	4.26	2.15	1.45	.58	4.16	2.05	3.13	5.72	4.70	32.18	
August	4.06	1.62	0.40	1.42	2.52	3.29	1.03	3.95	2.93	.63	21.85	
September	5.40	2.70	1.45	2.20	6.95	2.64	1.31	2.72	1.52	2.50	28.39	
October	1.22	4.25	3.35	3.28	4.90	2.27	2.59	5.50	2.78	1.95	32.09	
November	5.00	2.88	3.60	2.40	6.40	3.70	1.81	3.50	7.00	5.00	41.29	
December	1.50	1.46	0.88	6.50	2.45	2.45	2.05	5.47	2.34	3.17	28.27	
TOTALS	39.66	31.20	27.62	29.89	35.43	38.00	30.34	36.87	38.76	28.22	335.98	

1938 October - standard turf wall erected.

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			Darley	3m	N	Fewston	1m	SW

RAINFALL at ² Harrigate W.W. (Long Stn) Station No. 3355

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County of West RidingObserver A.S. West Esq. C.E.

Revised 1945

River Basin Ouse - Nidd - 11The Water Engineer

Type of Gauge.....

Annual Average 33.3in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. 1.W.SFile No. 660560/26

Diameter	5"											
Height	1' 0"											
Altitude	700'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
January	5.10	(3.25)	4.54	3.73	(4.00)	3.64	2.60	7.50	1.72	1.88	37.96	
February	4.90	3.15	1.97	1.51	(3.67)	1.56	(4.25)	2.55	1.85	5.41	30.82	
March	(3.97)	2.57	1.10	.43	(1.80)	1.35	(6.85)	1.90	1.30	1.98	23.20	
April	(2.72)	1.25	1.70	3.85	(2.33)	1.50	4.18	2.71	2.43	2.82	25.49	
May	2.51	2.55	1.85	1.24	2.84	3.07	2.80	1.05	2.10	2.22	22.23	
June	.12	.80	2.40	2.55	3.53	2.56	3.27	3.20	.69	.92	30.13	
July	2.68	2.32	2.04	4.54	2.16	4.71	1.99	1.35	2.47	3.10	27.36	
August	2.50	2.56	3.09	3.35	2.81	5.61	.43	4.61	2.27	5.68	32.91	
September	.48	1.40	4.25	5.30	1.78	6.00	2.00	2.70	1.30	5.48	30.64	
October	4.20	2.76	2.14	3.20	5.38	1.93	1.50	1.80	3.61	1.80	27.82	
November	3.42	1.43	2.64	6.78	.62	6.90	3.20	1.55	4.59	4.62	35.75	
December	1.40	3.15	2.45	4.50	2.38	2.40	3.46	3.20	4.90	1.98	29.77	
TOTALS	34.00	27.28	30.17	40.38	33.30	41.23	36.53	34.12	29.23	37.24	344.08	
	M	M	M	M	M	M	M	M	M	M	M	

1941 March 9 April apportioned from nearby stns.

1942 Jan. cal'd. by obs

1945 Jan. - March apportioned

1947 Feb. & March part used for snow

14004 40004

74004

30004

6 1/2" turf well round gauge (B.R. footnote).

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			Darley	3 ml.	N.	Fewston	1 ml.	S.W.

Station No. 3355

RAINFALL at ⁵ Harrogate W.W. (Long Sloop)

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County of West Riding, Yorks

Observer

H. Water Engineer,
Elwo Water Board

River Basin Rye - Nidd - U

Type of Gauge H.O.

Annual Average 33.8 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. J.W.S.

" " 34.36 " " 37 " " 1916-57 " " 1916-57 File No. 660560/26 F 16133/57

Diameter ...	5"		058	439								
Height ...	1'0"			1					1'2"			
Altitude ...	700'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	2.05	2.65	.85	(2.54)	2.65	4.90	2.87	3.38	3.57	6.40	31.86	
February ...	3.00	.62	1.96	(3.07)	3.03	2.45	3.07	6.34	.29	3.34	27.17	
March ...	3.75	2.04	.80	1.96	2.40	1.75	3.02	2.35	1.56	2.63	22.26	
April ...	1.66	1.47	2.46	.40	1.66	2.91	.28	.94	4.40	2.15	18.33	
May ...	6.01	2.04	1.72	4.10	3.43	1.18	1.28	4.39	1.24	1.00	26.39	
June ...	1.02	1.54	1.65	2.16	2.55	3.12	2.19	4.12	1.35	1.32	21.02	
July ...	1.94	1.35	3.14	1.82	1.35	5.81	3.56	4.17	2.30	5.47	30.85	
August ...	5.62	3.93	4.52	6.40	2.24	7.42	5.94	2.55	.71	3.14	42.47	
September ...	2.85	4.56	3.17	2.94	2.33	4.80	4.58	4.07	.19	3.66	33.15	
October ...	1.20	3.77	1.96	5.11	2.88	1.57	4.10	2.77	3.25	6.54	33.15	
November ...	8.00	1.87	3.41	6.15	2.60	1.13	2.38	.97	5.12	5.98	37.61	
December ...	4.65	2.53	1.66	3.96	3.93	4.03	3.53	5.94	7.23	4.77	42.23	
TOTALS ...	41.75	28.37	27.30	(40.61)	31.05	41.07	36.74	41.99	31.21	46.40	366.49	
	M	M	M	M	M	M	M	M	M	M		

1954 quarter p.m. New gauge installed 4/54. As this is 1955 value on
July 15 1951/60K. Dry. expect all directions. Temp. were fair.

60006

3 Twp. Wall.

212552

Position of Station on Ordnance One-Inch map :

No. of Map 96

National Grid Reference 44/212552

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Darby	3m.	N	Henslow	3m.	SW.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C1913	20-25, 28-30	✓	✓	