

RAINFALL AT Bradford Phoenix Heights
 Lat. Lon. County of York w/R Central
 Rain Gauge, by Observer J. Watson Esq. CL.

Base. Aire 9

Diameter ..		5								
Height		10								
Altitude ..		848								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	2.25	1.88	3.64	4.07	1.37	4.87	1.40	2.33	2.09	
February ..	1.67	1.62	4.09	4.42	2.07	2.82	2.21	2.69	.97	
March	2.60	1.89	5.08	2.62	3.11	2.69	3.07	3.88	3.45	
April.....	2.34	2.19	1.80	2.51	2.43	1.25	2.28	2.53	3.63	
May	1.13	2.68	3.52	3.49	.90	3.56	3.50	2.96	2.62	
June92	1.85	1.24	1.75	2.31	2.61	5.16	1.51	2.62	
July	1.77	3.07	3.87	2.72	1.44	2.36	3.38	4.13	3.48	
August	1.97	3.68	4.04	3.95	4.69	3.91	2.66	3.12	2.88	
September ..	1.34	1.87	4.92	.79	1.79	.87	.80	3.52	2.98	
October....	1.92	4.29	1.20	1.17	3.14	5.97	5.59	2.18	3.41	
November ..	3.88	2.83	2.23	2.10	5.36	3.92	3.06	2.56	1.14	
December ..	6.36	3.94	2.44	2.66	.79	3.02	4.13	2.56	4.69	
TOTALS ..	28.15	31.79	48.07	32.25	29.40	37.85	37.24	33.97	33.96	

3275
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No. 42

RAINFALL at Bradford Bottom Height Reservoir

County of W.R. Yorkshire

Observer

J. Watson Esq. C.E.

River Basin

Ouse-Aire 9

L. Hutchell Esq. C.E.

Rain Gauge, by

Diameter ...	5											
Height	10											
Altitude ...	848											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
											MEAN:	TOTALS
January ...	4.68	1.55	5.33	3.70	2.54	4.97	2.98	2.88	3.07	4.94	13.37	
February ...	3.75	4.31	2.63	1.46	3.29	4.63	5.07	7.76	4.65	1.94	12.24	
March92	1.71	4.99	5.06	4.03	.91	4.11	2.72	1.70	4.69	13.27	
April	2.90	1.54	.68	4.12	1.64	1.58	2.10	1.78	.96	1.93	6.77	
May	2.58	1.30	3.36	2.99	1.25	2.25	2.74	2.95	4.23	2.10	12.02	
June	3.01	3.85	6.70	1.53	2.62	1.34	2.36	2.21	1.82	.82	6.91	
July	3.23	.28	5.03	.84	3.35	5.33	1.99	1.87	6.39	2.97	12.72	
August	4.48	2.61	6.66	1.46	2.64	4.96	2.74	6.36	2.00	2.49	13.59	
September ..	.27	3.28	2.17	2.03	1.81	.76	2.19	1.33	8.89	1.19	13.60	
October ...	3.90	4.18	4.38	3.22	2.36	1.88	7.17	6.19	2.19	2.42	17.97	
November ..	4.46	4.05	2.94	3.91	5.60	1.95	3.82	3.40	1.63	3.04	11.89	
December ...	4.45	5.76	4.37	2.51	7.56	7.75	3.22	1.63	5.52	6.19	16.56	
TOTALS ...	38.66	34.42	49.09	32.83	38.69	38.29	40.49	33.08	42.80	34.54	150.91	

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

RAINFALL at Bradford Chellow Heights Reservoir N° 4A

County of W. R. Yorkshire

Observer S. Mitchell Esq C.B.

River Basin Guse - Aire 9

Teng Bradford

Snowdon Rain Gauge, by Glass reservoir
 1995 } drift point 005 in at 04; 01 in at 40 + 30.
 1995 } drift point 015 in at 50.
 1995 } drift point 015 in at 50.

W. Newlands, Reg. B.T. (1930)

Diameter ...	5"											
Height	1 "											
Altitude ...	848											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January	3.98	5.78	3.67	2.29	2.81	3.98	3.93	2.81	8.00	1.99	5.85	45.09
February	2.96	1.6	3.95	5.61	1.77	5.61	2.88	1.75	5.96	1.79	1.34	29.98
March	3.19	2.45	2.76	2.38	1.48	1.04	1.03	3.47	3.09	1.34	2.87	24.10
April	4.83	1.17	3.97	2.70	2.25	3.03	1.43	2.49	1.19	1.36	4.55	28.97
May	4.29	1.79	1.14	3.49	4.97	4.60	2.96	1.28	1.86	1.90	1.76	30.04
June	2.24	0.91	1.33	1.91	2.49	1.11	2.83	3.01	5.93	1.02	2.20	22.16
July	7.36	1.85	4.70	3.27	3.52	1.24	2.75	3.83	7.76	2.00	5.54	36.85
August	1.81	4.38	6.24	3.81	3.54	4.66	2.91	6.50	3.98	2.44	4.72	44.99
September...	1.60	1.34	4.21	3.63	3.66	2.92	1.96	4.09	6.65	1.79	6.69	31.54
October.....	3.20	2.53	1.01	3.36	3.73	4.19	3.18	3.42	5.90	4.17	4.37	39.66
November...	2.23	2.69	1.76	4.53	2.59	2.37	6.17	3.61	6.05	6.78	5.19	43.97
December...	3.89	5.01	3.80	3.17	4.84	4.26	1.10	2.24	2.16	7.95	3.28	41.67
TOTALS...	41.58	32.24	38.54	39.15	36.82	38.04	33.13	38.50	43.53	31.53	48.36	418.42

Inspected 8/10/22 to in good position with fallen beds to E + good shale on W, N & S. Within 2 yrs was a ~~thin~~ (thin) cover in good position but capacity of rain was not sufficient for abnormally heavy falls.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series	No. of Map	Reference No.
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Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge

RAINFALL at Bradford (Cheltenham Heights Res.)

County of West Riding

Observer Bradford Corp. W.W.

River Basin..... Ouse-Aire - 9.

~~W. Newlands Esq. C.E.~~

Type of Gauge Snowdon

The Waterworks Engineer.

Annual Average 3.1 in. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref. 3

Position of Station on reduced Ordnance Survey Map, } No. of Map.
1 mile to 1 inch Series }

Reference No.

Station No. T.F. 3275.

RAINFALL at Bradford (Challaw Heights Res.) ✓

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County of West Riding Observer The Waterworks Engineer
River Basin One - Area - 2.
Type of Gauge Standpipe

Annual Average ~~34~~ min. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 660554/26

Diameter	5"		075	518							
Height	1' 0"		1								
Altitude	848		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
										1941-50 Means Totals	
January	3.59	3.42	4.98	5.19	3.65	4.20	3.51	7.94	1.49	2.15	40.12
February	5.68	1.80	2.24	1.75	4.07	4.53	4.46	2.83	2.38	5.46	35.20
March	5.00	2.85	1.17	4.1	1.90	1.47	1.50	1.31	1.25	1.46	23.32
April	2.81	2.11	2.26	3.62	2.39	1.57	3.30	2.56	3.21	2.94	26.83
May	2.73	4.22	2.81	1.92	3.54	2.18	4.29	1.05	2.44	2.41	27.56
June	.53	1.35	2.60	2.25	3.08	2.49	2.89	3.38	.53	.80	19.60
July	1.64	2.47	1.90	3.77	2.05	3.64	1.62	1.06	3.40	3.04	24.59
August	4.49	4.08	3.88	3.10	4.82	5.10	.23	3.77	4.19	4.81	38.47
September	.62	2.16	4.02	5.43	1.76	6.76	1.82	1.46	.95	4.30	29.28
October	4.48	4.16	2.55	3.98	5.94	.78	1.11	1.21	3.18	1.68	29.07
November	3.67	1.76	2.87	6.09	.39	6.55	4.10	1.32	4.84	3.69	35.28
December	1.72	2.60	2.27	4.14	2.40	3.25	3.29	3.42	5.23	2.00	30.32
TOTALS	34.02	32.98	33.55	41.65	34.99	42.52	38.12	31.31	33.06	?	359.64

1950 Printed with guilty (law) coverage of 36.6 should not be used (1114 of file refers)

Position of Station on reduced Ordnance Survey Map. | No. of Map

Reference No.

Station No. 3275

T.F. 46

RAINFALL at Bradford (Yellow Height Res.)

County of West Riding-Yorks. Observer The Materials Engineer,

River Basin. River-Aire-9

Type of Gauge. Standard MK.II. 5566/52

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....
 36.82 " " 35 " 1916-1950 P
 File No. 660824/26 E 22802/55

Diameter	5"	075	518									
Height	1'0"			1							11"	
Altitude	848'			57								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	totals
January	2.95	3.71	.66	3.12	2.44	5.84	2.98	3.71	3.18	5.32	33.91	
February	3.42	.73	2.66	4.34	2.75	1.59	3.24	5.72	.31	3.30	28.06	
March	3.75	1.74	1.36	2.94	2.70	1.40	2.63	2.13	1.64	2.23	22.52	
April	1.56	1.64	2.44	.51	1.03	3.02	.30	.99	3.95	1.86	17.30	
May	4.33	1.78	1.77	3.30	2.78	1.21	1.39	4.52	1.36	1.58	24.02	
June	1.10	1.78	3.28	1.74	2.27	2.44	1.58	6.27	2.36	1.21	24.03	
July	2.68	1.22	3.50	2.27	1.03	5.14	3.05	4.42	2.56	4.56	30.43	
August	4.71	3.22	3.23	8.01	1.07	7.51	5.98	2.95	.73	4.37	41.78	
September	2.05	2.68	3.21	3.90	1.53	3.92	4.45	3.83	.18	3.22	28.91	
October	1.50	3.61	2.34	6.12	2.50	1.78	3.77	3.35	3.72	6.18	34.87	
November	7.43	1.37	3.77	6.37	2.71	1.40	2.36	.93	4.47	7.03	37.84	
December	5.28	3.03	2.04	4.65	4.75	4.41	3.94	4.90	7.18	4.21	44.89	
TOTALS	40.76	26.51	30.26	47.87	27.56	39.66	35.67	43.72	31.64	45.07	368.12	
	D	D	D	D	D	D	D	D	D	D		

4/54 " turf wall was rebuilt last summer and this probably accounts for the improved relationship with the Yellow Blank Gauge" extract from letter from Mr. Long Sept. 1956. Mr. O'Hanrahan 23.9.58 Level of ground round gauge to be lowered. Gauge to be made with rim 12" above ground & level with top of Turf Wall. Site is over-irrigated S-W-N but good turf apart from some grass.

2. Turf wall.

Position of Station on Ordnance One-Inch map : No. of Map 96 National Grid Reference SE(100) 116352

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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
	✓	✓	✓	✓	