

RAINFALL AT Bradford Heaton Reservoir

70

Lat..... Lon..... County of York W.R.
Rain Gauge, by..... Observer S. Galt Esq. C.E.

56

Diameter.....				8							
Height.....				1							
Altitude.....				550							
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				3.35	3.01	3.91	1.08	4.34	3.71	1.21	
February.....				.69	1.25	.86	3.47	2.81	1.35	2.81	
March.....				3.27	3.38	.61	4.22	4.17	1.42	1.49	
April.....				.47	2.04	1.11	2.56	3.60	2.14	2.15	
May.....				2.16	1.21	3.40	.69	2.93	5.64	1.79	
June.....				1.12	2.43	2.67	2.37	1.89	3.22	5.19	
July.....				3.50	2.48	4.05	1.90	3.89	1.25	3.65	
August.....				2.48	3.29	5.23	2.52	4.96	7.99	3.44	
September.....				1.48	2.52	4.02	3.49	3.34	3.92	1.48	
October.....				3.16	3.49	4.41	3.51	4.38	3.75	1.09	
November.....				2.75	2.77	4.65	3.35	4.24	3.61	1.27	
December.....				.94	3.98	1.37	6.93	2.95	2.04	1.55	
TOTALS.....				2537	31.85	36.29	36.09	43.50	40.04	27.12	

RAINFALL AT *Bradford Heaton Reservoir,*

Lat.

Lon.

County of *York N.R.*

Rain Gauge, by

Observer *A. R. Binnie Esq. C.E.*

5

Diameter....											
Height							<i>5</i>				
Altitude							<i>531</i>				
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January						<i>#</i>	<i>1.09</i>	<i>4.34</i>	<i>3.69</i>	<i>1.53</i>	
February....							<i>3.50</i>	<i>2.81</i>	<i>1.35</i>	<i>3.00</i>	
March							<i>4.22</i>	<i>4.17</i>	<i>1.42</i>	<i>1.91</i>	
April							<i>2.56</i>	<i>3.66</i>	<i>2.14</i>	<i>2.30</i>	
May							<i>69</i>	<i>2.93</i>	<i>5.64</i>	<i>1.85</i>	
June							<i>2.37</i>	<i>1.89</i>	<i>3.22</i>	<i>5.74</i>	
July.....							<i>1.90</i>	<i>3.89</i>	<i>1.25</i>	<i>3.84</i>	
August							<i>2.62</i>	<i>4.96</i>	<i>7.99</i>	<i>3.96</i>	
September ..							<i>3.49</i>	<i>2.34</i>	<i>3.92</i>	<i>1.54</i>	
October							<i>3.52</i>	<i>4.39</i>	<i>3.75</i>	<i>1.13</i>	
November ..							<i>3.35</i>	<i>4.24</i>	<i>3.61</i>	<i>1.39</i>	
December ..							<i>6.93</i>	<i>3.10</i>	<i>2.04</i>	<i>1.95</i>	
TOTALS ..							<i>36.24</i>	<i>42.72</i>	<i>40.02</i>	<i>30.14</i>	

RAINFALL AT *Bradford, Heaton Res.* 80

Lat. _____

Lon. _____

 County of *Yorks*

Rain Gauge, by _____

 Observer *A. R. Binnil, Esq., C.E.*
Onse Air 9 *No 5^a Old gauge*

Diameter	8										
Height	1.0										
Altitude	530 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.28	.28	3.84	4.98	5.47	1.94	4.14	1.49	1.11	1.11	
February	3.14	4.43	2.31	1.80	3.02	1.97	.83	.74	.83	1.94	
March	3.23	3.68	2.94	1.31	2.04	1.87	2.21	1.75	4.04	2.83	
April	1.68	1.82	4.41	3.49	2.00	1.74	2.37	.74	3.02	3.14	
May	2.46	1.70	.95	.86	1.61	2.77	5.44	1.89	.97	2.74	
June	2.28	2.52	3.74	3.70	1.44	3.38	1.48	.02	2.48	.26	
July	5.66	4.20	3.77	3.59	4.40	.98	4.81	1.54	5.16	2.00	
August	1.43	4.66	1.70	2.96	1.00	1.05	1.63	1.74	2.67	3.66	
September....	3.77	3.29	2.30	6.71	1.72	3.60	2.00	3.63	.53	1.15	
October	4.22	3.93	5.20	3.94	1.63	6.39	5.77	2.44	.88	4.39	
November....	3.28	4.65	5.52	3.90	1.45	2.54	2.49	2.35	7.85	1.17	
December	4.57	3.35	3.75	1.91	4.34	(1.50)	5.40	2.10	2.06	1.85	
TOTALS	86.00	38.51	40.93	39.15	30.12	(29.73)	38.62	20.43	31.60	26.24	(33.109)

1883 Observer states that the two gauges registered the same

Dec '85. Estd. III 1912

N.B. Rejected from Survey as .2" low.

RAINFALL AT *Beaton Reservoir*

80

Bradford
 Lat. Lon. County of *York, W. R.*
 Rain Gauge, by Observer *A. R. Bunnie, Esq., C. E.*

Cuse Aie 9. No 5

Diameter	5	5										
Height	1.	1.0										
Altitude	531	531	7									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....	.25	.24	3.84	4.98	5.47	1.94	3.64	1.30	1.04	1.14		
February	2.69	3.65	2.31	1.80	3.02	1.97	.68	.64	.65	1.96		
March	2.69	2.96	2.94	1.31	2.04	1.87	1.78	1.55	3.73	2.74		
April	1.41	1.52	4.41	3.49	1.99	1.74	1.85	.73	2.80	3.06		
May	1.97	1.35	.95	.86	1.61	2.74	5.10	1.90	.84	2.66		
June	2.00	2.23	3.74	3.70	1.44	3.38	1.45	.07	2.25	.23		
July	4.43	3.92	3.77	3.59	4.40	.97	4.36	1.53	4.87	1.85		
August	1.30	4.51	1.70	2.96	1.00	1.03	1.46	1.67	2.49	3.38		
September	2.93	3.27	2.39	6.71	1.72	3.47	1.81	3.32	.43	1.03		
October	3.01	3.86	5.29	3.94	1.63	5.81	5.41	2.28	.78	4.20		
November	2.53	4.60	5.60	3.90	1.45	2.42	2.21	2.32	7.71	1.12		
December	3.81	3.30	3.73	1.91	4.34	(150)	4.90	2.04	2.03	1.73		
TOTALS	27.02	35.41	40.67	39.15	30.11	(28.84)	34.65	19.29	29.62	25.10	(31.186)	

1880 Record incorrect.

1883 Observer states that the two gauges registered the same

1885 Dec. Change of Obs. & no obs.

RAINFALL AT

Bradford Heaton Reservoir

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

J. Webster Esq. C.E.
J. Watson Esq. C.E.

Cuse - Aire gold Gauge

Diameter	8											
Height	10											
Altitude	530											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.10	2.01	2.12	1.06	3.81	4.52	.95	2.51	1.91	5.22	2.82	1
February	1.11	.07	3.08	3.49	6.20	.45	1.05	2.90	2.86	2.02	2.32	3
March	2.41	1.73	1.12	.78	2.84	2.88	3.97	4.38	1.29	1.63	2.80	3
April .....	.98	1.64	1.41	.75	2.80	2.80	1.60	2.32	2.91	2.32	1.95	3
May	3.20	2.86	3.29	2.38	1.66	.38	.50	1.21	2.23	3.51	2.12	2
June	3.65	1.34	4.29	2.14	2.98	3.25	3.57	3.94	2.05	1.53	2.86	4
July	2.03	2.43	2.56	5.87	3.93	5.64	2.07	.91	.71	1.48	2.76	2
August	4.80	5.73	2.83	2.33	3.25	3.20	1.79	3.53	3.14	1.85	3.21	5
September	1.79	2.21	2.38	1.75	.82	1.40	5.69	3.05	.72	4.38	2.41	9
October	1.38	4.40	6.62	2.40	5.93	3.55	4.52	1.89	4.59	2.73	3.77	6
November	3.87	3.55	2.16	2.15	1.75	4.08	1.82	3.07	2.87	1.57	2.68	9
December	1.17	6.60	1.00	3.60	2.37	3.59	4.06	4.46	3.77	3.02	3.26	4
TOTALS . . .	30.44	34.57	32.86	28.70	38.24	35.74	31.59	34.17	29.05	31.26	32.66	2

RAINFALL AT Bradford Heaton Reservoir

Lat. _____

Lon. _____

County of York W.R.

Rain Gauge, by _____

Observer J. Webster Esq. C.E.
J. Watson Esq. C.E.

Rise. Aise 9 nos

Diameter	5											
Height	1 0											
Altitude	531 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.11	1.99	2.04	.91	2.79	4.04	.58	2.01	1.83	5.24	2.55	11
February	1.04	.05	2.92	3.14	4.07	.40	.89	2.49	2.78	2.02	1.98	10
March	2.34	1.63	1.06	.71	2.04	2.36	3.55	3.88	1.26	1.61	2.04	11
April .....	.90	1.59	1.34	.65	2.47	2.09	1.47	2.19	2.82	2.31	1.78	13
May	3.15	2.72	2.98	2.21	1.27	.30	.47	1.10	2.23	3.43	1.98	16
June	3.52	1.28	3.98	1.96	2.39	2.96	3.20	3.78	1.99	1.47	2.65	13
July	1.90	2.32	1.92	5.49	3.36	4.69	1.74	.80	.69	1.42	2.43	16
August	4.53	5.64	2.66	2.13	2.70	2.47	1.51	3.33	3.05	1.76	2.97	18
September....	1.65	2.19	2.20	1.50	.74	1.09	4.88	2.94	.66	4.18	2.20	11
October	1.21	4.31	5.71	2.13	5.02	2.50	3.73	1.74	4.41	2.68	3.34	11
November....	3.86	3.48	1.90	1.85	1.24	1.99	1.53	2.98	2.81	1.52	2.31	16
December	1.11	5.80	.88	2.92	1.83	2.71	3.02	4.41	3.74	2.95	2.93	17
TOTALS . . .	29.33	33.00	29.59	25.60	29.92	27.60	26.57	31.68	28.27	30.59	29.21	5

N.B. Reported from Survey as 2" low.

RAINFALL AT

Bradford Heaton Reservoir

Lat.

Lon.

County of

York W.R. Central

Rain Gauge, by

Observer

J. Watson Esq. C.E.

Cause - Rise 9 New Gauge

Diameter ..	5											
Height	10											
Altitude ..	531 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.43	1.99	1.69	2.17	3.24	1.16	4.25	1.42	1.82	1.54	2.371	
February ..	5.03	1.65	1.59	3.34	3.72	1.49	2.87	1.77	2.03	1.83	2.482	
March ....	.81	2.74	1.51	4.41	2.30	2.46	2.58	2.39	3.20	3.14	2.554	
April	1.39	2.32	1.80	1.37	1.71	2.66	.90	1.78	2.31	2.86	1.910	
May	1.14	1.08	2.46	2.99	3.33	1.06	3.12	3.65	2.12	2.37	2.332	
June	2.58	.54	1.70	1.13	1.61	1.69	2.00	3.93	1.33	3.19	1.970	
July	4.55	1.58	2.35	3.61	2.47	1.49	2.26	3.15	3.20	3.11	2.777	
August	4.93	1.56	3.22	3.23	3.60	4.48	3.04	2.22	2.41	3.01	3.170	
September ..	.56	1.32	1.48	4.40	.54	1.57	.53	.67	2.62	2.94	1.663	
October	4.17	1.73	3.45	9.66	.65	2.34	5.58	5.16	2.09	2.77	3.760	
November ..	3.72	4.35	2.52	1.77	2.09	2.24	3.36	3.33	2.12	.84	2.634	
December ..	3.67	5.73	3.58	2.01	2.16	.51	2.59	3.39	2.32	3.99	2.995	
TOTALS ..	36.98	26.59	27.35	40.09	27.42	23.15	32.58	32.86	27.57	31.59	30.618	4.50

N.B. Rejected from Survey as 2" low.

H.W.

RAINFALL AT Bradford Heaton Reservoir

Lat.

Lon.

County of York and Central

Rain Gauge, by

Observer J. Watson Esq. Ch.

Rise of old gauge

Diameter ..	8										
Height	10										
Altitude ..	530										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.54	2.07	1.73	2.42	3.46	1.27	4.43	1.52	1.97	1.66	2.507
February ..	4.85	1.75	1.64	3.43	3.87	1.62	2.49	1.83	2.22	.91	2.461
March ....	.86	2.73	1.51	4.57	2.42	2.73	2.56	2.52	3.40	3.30	2.660
April	1.42	2.40	1.88	1.47	1.85	2.89	.96	1.90	2.39	3.03	2.019
May	1.15	1.19	2.54	3.08	3.51	1.07	3.24	3.77	2.22	2.47	2.424
June	2.60	.71	1.75	1.19	1.73	1.74	2.06	4.16	1.36	3.30	2.060
July	4.90	1.68	2.42	3.80	2.67	1.53	2.36	3.32	3.27	3.33	2.928
August	5.05	1.65	3.32	3.40	3.77	4.60	3.15	2.28	2.52	3.10	3.284
September ..	.58	1.41	1.50	4.51	.61	1.65	.55	.69	2.84	3.03	1.737
October	4.21	1.91	3.56	9.48	.76	2.46	5.77	5.22	2.13	2.93	3.843
November ..	3.77	4.47	2.55	1.93	2.30	4.38	3.47	3.14	2.21	.90	2.912
December ..	3.97	5.99	3.64	2.16	2.32	.56	2.74	3.58	2.41	4.23	3.160
TOTALS ..	37.90	27.96	28.04	41.44	29.27	26.50	33.78	33.93	28.94	32.19	3.005

H. W. S.

RAINFALL at

Bradford Heaton Reservoir

No. 5^aCounty of W. R. YorkshireObserver W. J. Watson Esq. C.E.River Basin Once. Arie GL. Mitchell Esq. C.E.

Rain Gauge, by

Old Gauge

Diameter ...	8										
Height	1 0										
Altitude ...	530 π										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.94	1.21	5.64	3.63	2.08	4.51	2.39	2.67	2.78	4.31	
February ...	2.41	3.46	2.27	1.08	2.47	4.16	5.19	.64	4.42	2.00	
March .....	.57	1.14	4.51	4.28	3.54	.98	4.47	3.26	1.61	5.64	
April	2.98	1.09	.55	3.61	1.39	1.31	1.78	2.00	.81	1.99	
May	2.11	1.01	3.02	2.58	1.10	2.54	2.71	2.85	3.49	2.07	
June	3.77	3.16	6.31	1.41	2.81	2.52	2.20	2.01	1.23	.84	
July	3.30	.19	4.00	.76	4.17	4.54	2.59	1.21	6.21	3.46	
August	4.49	2.13	6.02	1.51	2.43	4.15	2.20	6.14	7.91	2.40	
September ..	.13	3.01	1.65	1.72	1.52	.50	1.96	1.07	8.24	1.04	
October ...	3.47	3.38	3.54	2.66	2.14	1.69	6.25	5.78	2.00	2.43	
November ..	4.26	3.54	2.69	3.20	4.86	2.42	3.44	2.78	1.45	2.91	
December ...	3.63	4.72	4.12	2.41	6.78	7.51	2.93	1.92	5.29	5.38	
TOTALS ...	35.06	28.04	44.32	28.85	35.33	36.87	38.01	32.33	39.44	34.47	

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

RAINFALL at Bradford Heaton Reservoir No. 5County of W. R. YorkshireObserver L. J. Watson Esq. C.E.River Basin Onse - Aire 9L. Mitchell Esq. C.E.

Rain Gauge, by

New Gauge

Diameter ...	5										
Height	10										
Altitude ...	531 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEANS. Totals
January ...	3.69	1.07	5.43	3.53	2.03	4.07	2.30	2.63	2.66	4.27	11.86
February ...	2.24	3.20	2.22	1.05	2.39	4.05	5.12	.64	4.29	1.96	12.01
March .....	.51	1.01	4.20	4.10	3.48	.98	4.45	3.16	1.84	5.54	14.69
April	2.82	.95	.51	3.48	1.37	1.26	1.78	1.98	.79	1.95	6.50
May	1.99	.89	2.92	2.54	1.09	2.55	2.65	2.77	3.38	2.03	10.83
June	3.58	2.98	6.15	1.35	2.77	2.41	2.10	1.97	1.19	.74	6.00
July	3.23	.12	3.90	.72	4.07	4.29	2.51	1.13	6.11	3.31	13.06
August	4.35	2.02	5.94	1.47	2.41	4.03	2.10	5.96	1.84	5.24	12.14
September ..	.18	2.86	1.62	1.65	1.47	.48	1.88	1.00	7.96	1.02	11.86
October ...	3.40	3.27	3.48	2.64	2.14	1.65	5.99	5.60	1.90	2.41	15.90
November ..	4.08	3.34	2.62	3.20	4.81	2.18	3.36	2.63	1.43	2.89	10.31
December ...	3.37	4.54	3.97	2.36	6.66	7.43	2.83	1.81	5.26	5.20	15.10
TOTALS ...	33.44	26.25	42.06	28.09	34.69	35.68	37.07	31.28	38.35	33.56	140.26

-1 -1 +.5 -2

NB. Rejected from Survey as 2" low.

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

RAINFALL at Bradford Heaton Reservoir N° 5-ACounty of N. B. YorkshireObserver L. Mitchell Esq. C.E.River Basin Cuse-Aire 9Gauged by Glaisher Rain Gauge, byClass used. Old Gauge $\left. \begin{matrix} 8.52 \\ 8.00 \\ 7.97 \end{matrix} \right\} \text{ inches.}$

Diameter ...	8			5							
Height	10										
Altitude ...	530										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.86	5.43	4.08								
February ...	2.62	0.07	3.84								
March	2.63	1.97	2.66								
April	4.04	1.28	3.61								
May	3.78	1.29	1.19								
June	2.06	0.05	1.38								
July	7.04	1.52	4.37								
August	1.70	4.05	5.74								
September...	1.39	1.11	3.53								
October	3.14	2.08	1.09								
November...	1.92	2.56	1.46								
December...	3.49	4.66	3.60								
TOTALS...	37.67	26.07	36.55	#							

Inspected 28.7.10. 22 9 in excellent position. Shelter sufficient on S, W & NW with reservoir at some distance to E.

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

Map, 2 miles to 1 inch Series

Reference No.

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

RAINFALL at Bradford Heaton Reservoir N° 5County of W. B. YorkshireObserver S. Mitchell Esq. C.E.River Basin Cuse - AireEng^r Bradford

Surveyed 1925.

Bradford Rain Gauge, byW. Newlands, Esq. C.E. (1930)

Glass inverted

New Gauge.

Leak in beam
drain, inverted after a late frost
and when removed.

Diameter ...	5												
Height	1	0											
Altitude ...	531												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS.	
January ...	3.75	5.37	4.02	2.08	2.69	4.09	3.50	3.00	7.95	1.78	5.24	43.47	
February ...	2.45	.07	3.76	5.37	1.05	5.77	2.68	1.58	4.20	.58	1.20	28.91	
March	2.41	1.57	2.64	1.72	1.30	1.26	1.24	2.97	2.90	.22	2.97	21.50	
April	3.86	1.26	3.61	2.36	2.20	3.21	1.50	2.63	1.03	1.26	3.65	26.57	
May	3.60	1.29	1.19	3.49	4.69	4.66	2.32	1.36	1.90	1.50	1.53	28.03	
June	1.98	.05	1.38	.84	2.25	.10	2.66	3.03	6.20	.78	2.30	21.57	
July	6.86	1.48	4.32	3.11	3.24	1.01	2.60	3.77	.70	2.06	6.05	35.20	
August	1.68	3.95	5.69	3.74	3.13	3.70	2.97	6.19	5.79	2.40	4.10	41.34	
September...	1.37	1.09	3.51	3.25	3.81	2.55	1.75	3.97	.45	.60	4.90	27.25	
October	3.08	2.06	1.09	3.16	3.43	3.60	3.30	3.60	5.09	3.58	3.60	35.59	
November...	1.88	2.56	1.46	4.54	2.62	2.41	5.52	3.50	5.60	6.16	4.40	40.65	
December...	3.43	4.55	3.60	3.21	4.36	4.64	1.10	2.45	1.92	7.35	2.90	39.61	
TOTALS...	36.30	25.60	36.27	36.87	34.77	37.00	31.64	38.05	41.93	28.27	42.84	389.59	

Rejected 75.7.0.22 5. 1 yd away from other 3. in excellent position

-3 -1 +1 -1 +1/2 0 -1 -5 -1 -5

Rejected from Survey as 2" 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Bradford (Heaton Reservoir)County of West RidingObserver Bradford Corpn W.W.River Basin Ouse - Aire - 9.N. Newlands Esq. C.E.Type of Gauge SnowdonThe Waterworks EngineerAnnual Average ~~1921-1925~~ based on ~~10~~ years obs. ~~10~~ weighted. Period of average 1881-1915 Ref 5Deleted 11/1/40660554/26

Diameter	5.										
Height	1.0.										
Altitude	531.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Total
January	2.40	2.55	2.07	2.78	1.49	4.68	3.83	4.64	5.46	3.16	33.00
February	3.46	.80	3.36	.18	4.16	2.83	4.97	1.50	3.25	2.56	26.27
March	.35	2.10	1.92	2.70	1.22	2.59	2.77	.40	2.63	2.31	18.99
April	3.70	3.12	1.56	2.99	4.16	1.72	2.63	.25	1.26	3.02	24.41
May	2.40	4.17	2.95	1.99	.86	1.47	2.69	4.10	1.18	.59	22.40
June	5.10	.60	1.28	1.64	3.21	5.05	1.72	3.22	2.58	.29	24.69
July	3.00	4.68	2.14	2.07	.53	3.09	2.33	4.05	6.06	2.95	30.90
August	3.62	1.05	0.51	1.70	1.30	1.80	1.06	4.55	1.47	.51	17.57
September	3.90	2.91	1.65	1.74	5.74	3.71	1.56	1.72	1.36	2.55	26.84
October	1.30	4.52	3.83	2.91	7.23	2.89	2.19	7.27	2.47	4.02	38.63
November	5.90	2.57	2.24	1.93	6.66	4.36	1.75	4.60	5.24	6.07	41.32
December	1.55	1.52	0.55	5.62	3.24	3.22	2.60	4.35	2.05	2.49	27.19
TOTALS	36.68	30.09	24.06	28.25	39.80	37.11	30.10	40.65	35.01	30.52	332.27

0 1.5 -1 1.5 0 11.5 6 13 1.5 12

* Rejected from Survey as 2" low.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

Station No. T.F. 3277RAINFALL at Bradford (Heaton Reservoir)

41

County of West Riding Observer The Waterworks EngineerRiver Basin Quake - AireType of Gauge SnowdonAnnual Average ^{*} in. based on years obs. un-weighted. Period of average Ref.File No. 669554/26

Diameter	5"		0.75	6.35							
Height	1' 0"			1							
Altitude	531'			4							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	3.82	3.24	5.02	5.04	3.33	3.75	3.02	7.85	1.28	2.11	38.46
February	4.51	1.35	2.02	1.54	4.00	4.28	3.86	2.47	2.27	5.62	31.92
March	4.42	2.44	.96	.28	.60	1.36	6.52	1.21	.88	1.40	20.07
April	2.94	1.90	1.78	2.86	2.34	1.52	3.48	2.35	2.89	2.95	25.10
May	2.03	3.67	2.68	1.64	3.36	2.13	4.45	1.05	2.58	1.98	25.52
June	.36	1.22	2.30	2.49	2.93	2.35	2.78	2.97	.44	.43	18.27
July	1.26	1.99	1.64	3.08	2.55	3.64	1.69	1.09	3.49	3.07	23.60
August	4.01	3.50	3.11	3.00	4.53	5.02	.24	3.71	3.08	4.82	35.02
September	.28	1.92	3.28	4.85	1.42	5.67	1.60	1.11	.80	4.66	25.59
October	3.83	3.26	2.18	3.82	6.00	.80	.88	1.05	3.20	1.68	26.70
November	3.49	1.44	2.53	5.95	.31	6.21	3.65	1.16	5.06	3.84	33.64
December	1.69	2.36	2.03	4.45	1.92	2.79	3.19	3.19	5.57	2.01	29.20
TOTALS	32.44 D	28.38 D	29.53 D	39.00 D	33.29 D	39.52 D	35.36 D	29.21 D	31.54 D	34.52 D	333.09 D

* Rejected from Survey as 2" low

11.5 0 11.5 0 11 12 15 11 15 1.5

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.

BRITISH RAINFALL ORGANIZATION

Station No. 3277

T.F. 46

RAINFALL at Bradford (Heaton Reservoir)

51

County of West Riding - Yorks

Observer

The Waterworks Engineer.

River Basin Ouse - Aire - 9

Type of Gauge Snaphdon M.K.I. 5562/52

Annual Average in. based on years obs. un-weighted.

Period of average

Ref.

34.15 " " 35 " 1916-1950

1916-1950

File No.

660954/26 P 22502/58

Diameter ...	5"		075	635								
Height ...	1'0"			1								
Altitude ...	531'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	3.17	3.95	.37	2.89	1.76	4.89	2.27	3.41	3.00	5.00	30.71	
February ...	3.30	.88	2.23	3.30	2.46	1.39	3.24	4.99	.17	2.61	24.57	
March ...	3.59	1.91	1.30	2.29	2.56	1.13	2.10	1.97	1.42	1.91	20.18	
April ...	1.60	1.70	2.42	.53	.87	2.90	.26	.78	3.53	1.34	15.93	
May ...	4.65	1.62	1.64	3.05	2.49	.97	1.33	3.97	1.16	1.36	22.24	
June ...	.90	1.68	3.22	1.65	1.83	2.05	1.58	5.01	2.07	1.06	21.05
July ...	2.63	1.16	3.01	1.65	1.15	4.29	2.79	3.97	1.88	4.00	26.53	
August ...	5.13	3.76	2.92	7.65	.83	6.70	5.20	3.01	.52	4.08	39.80	
September ...	2.13	2.84	2.98	3.59	1.24	3.39	4.25	3.22	.11	3.07	26.82	
October ...	1.52	4.26	2.25	5.21	2.21	1.80	3.05	2.83	3.72	5.06	31.91	
November ...	7.85	1.56	3.52	5.61	2.54	1.08	2.02	.75	4.32	6.56	35.81	
December ...	5.01	2.94	1.86	4.00	4.46	3.79	4.04	4.43	6.03	3.78	40.34	
TOTALS ...	41.48	28.26	27.72	41.42	24.40	34.38	32.13	38.34	27.93	39.83	335.89	
	D	D	D	D	D	D	D	D	D	D		

1950. Mr. O'Hare 25.9.58 Hollyburn 11', 20' WSW, Sycamore 30', 40' WSW. Several trees W-NW just looking on over shelter. No alternative site. N. ground.

NS 350

Position of Station on Ordnance One-Inch map :

No. of Map.....96.....

National Grid Reference

SE(44)145354

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