

RAINFALL AT *Bradford Thomson Moor* **70**

Lat.

Lon.

County of *York* *WR*

Rain Gauge, by

Observer *A. R. Binnie Esq.*

Monthly Gauge.

10

Diameter....											
Height							<i>.5</i>				
Altitude							<i>1401</i>	<i>1176</i>	<i>1401</i>		
Year	<i>1870</i>	<i>1871</i>	<i>1872</i>	<i>1873</i>	<i>1874</i>	<i>1875</i>	<i>1876</i>	<i>1877</i>	<i>1878</i>	<i>1879</i>	MEANS.
January						<i>#</i>	<i>1.63</i>	<i>6.59</i>	<i>6.10</i>	<i>.95</i>	
February. ..							<i>5.51</i>	<i>4.69</i>	<i>2.36</i>	<i>3.60</i>	
March							<i>5.55</i>	<i>4.25</i>	<i>2.96</i>	<i>2.14</i>	
April							<i>3.31</i>	<i>4.03</i>	<i>2.16</i>	<i>2.66</i>	
May							<i>1.16</i>	<i>3.65</i>	<i>5.72</i>	<i>1.70</i>	
June							<i>3.43</i>	<i>2.09</i>	<i>3.28</i>	<i>5.76</i>	
July							<i>3.75</i>	<i>5.36</i>	<i>1.55</i>	<i>6.14</i>	
August							<i>4.36</i>	<i>6.48</i>	<i>7.59</i>	<i>5.35</i>	
September ..							<i>6.01</i>	<i>4.50</i>	<i>5.90</i>	<i>2.48</i>	
October							<i>3.25</i>	<i>6.78</i>	<i>5.05</i>	<i>3.23</i>	
November ..							<i>6.60</i>	<i>7.30</i>	<i>2.86</i>	<i>1.37</i>	
December ..							<i>9.56</i>	<i>5.24</i>	<i>1.97</i>	<i>3.22</i>	
TOTALS ..							<i>54.12</i>	<i>60.96</i>	<i>47.50</i>	<i>38.60</i>	

RAINFALL AT *Bradford Thornton Moor* No: 70

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

A. R. Binnie Esq. C.E.

8

Diameter....							5	.	.	.	
Height							1	.	.	.	
Altitude							1176	.	.	.	
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January							# 1.75	6.64	6.81	1.58	
February. ...							6.24	5.77	1.65	3.68	
March.....							6.58	4.01	3.49	2.53	
April							3.42	3.98	2.14	2.99	
May							1.16	3.42	5.89	1.65	
June							3.32	1.57	3.32	6.85	
July.....							3.35	5.53	1.18	6.29	
August							3.90	6.11	7.95	5.37	
September ..							4.95	4.31	6.01	2.49	
October							3.01	6.76	5.47	2.87	
November ..							4.34	6.88	3.49	1.79	
December ..							8.80	5.18	3.08	3.59	
TOTALS ..							50.82	60.16	50.48	41.68	

RAINFALL AT *Bradford, Thornton Moor* 80

Lat. _____

Lon. _____

County of _____

Monthly

Rain Gauge, by _____

Observer _____

A. P. Binnie, Esq., C.E.
Rise - Air 9

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>1196 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.50</i>	<i>.45</i>	<i>.450</i>	<i>3.39</i>	<i>6.56</i>	<i>1.93</i>	<i>4.52</i>		<i>.96</i>	<i>.41</i>	
February	<i>4.34</i>	<i>4.50</i>	<i>4.09</i>	<i>2.00</i>	<i>2.18</i>	<i>2.26</i>	<i>1.69</i>		<i>.26</i>	<i>.85</i>	
March	<i>3.86</i>	<i>3.41</i>	<i>4.74</i>	<i>.66</i>	<i>1.73</i>	<i>1.60</i>	<i>1.67</i>		<i>1.49</i>	<i>1.40</i>	
April	<i>2.33</i>	<i>1.11</i>	<i>4.46</i>	<i>2.09</i>	<i>.99</i>	<i>1.75</i>	<i>1.94</i>		<i>1.33</i>	<i>1.87</i>	
May	<i>2.79</i>	<i>2.64</i>	<i>1.65</i>	<i>.55</i>	<i>1.05</i>	<i>1.95</i>	<i>1.76</i>		<i>.15</i>	<i>1.19</i>	
June	<i>3.81</i>	<i>2.04</i>	<i>5.35</i>	<i>3.01</i>	<i>.79</i>	<i>1.84</i>	<i>1.27</i>		<i>.95</i>	<i>.51</i>	
July	<i>5.96</i>	<i>4.38</i>	<i>4.20</i>	<i>3.01</i>	<i>4.14</i>	<i>1.17</i>	<i>3.30</i>		<i>2.35</i>	<i>1.69</i>	
August	<i>1.92</i>	<i>4.01</i>	<i>1.49</i>	<i>1.03</i>	<i>.99</i>	<i>1.07</i>	<i>.70</i>		<i>1.32</i>	<i>2.20</i>	
September ...	<i>4.56</i>	<i>1.65</i>	<i>1.18</i>	<i>3.94</i>	<i>1.99</i>	<i>4.43</i>	<i>1.68</i>		<i>.25</i>	<i>.53</i>	
October	<i>4.09</i>	<i>4.74</i>	<i>3.68</i>	<i>1.92</i>	<i>1.84</i>	<i>3.66</i>	<i>3.25</i>		<i>.53</i>	<i>1.43</i>	
November	<i>5.52</i>	<i>4.03</i>	<i>6.08</i>	<i>3.42</i>	<i>1.36</i>	<i>2.89</i>	<i>1.23</i>		<i>1.85</i>	<i>.44</i>	
December	<i>7.02</i>	<i>4.25</i>	<i>4.30</i>	<i>1.73</i>	<i>3.25</i>	<i>.97</i>	<i>2.94</i>		<i>.78</i>	<i>1.00</i>	
TOTALS	<i>46.70</i>	<i>37.21</i>	<i>45.78</i>	<i>26.75</i>	<i>26.87</i>	<i>25.32</i>	<i>25.95</i>		<i>12.22</i>	<i>13.52</i>	

1881 Record imperfect

1882 Jan? Gauge tampered with amount computed

1888 Incorrect 1889 ditto

N.B. Rejected from Survey as too low.

RAINFALL AT *Bradford Thornton Moor Fellers*

Lat. _____

Lon. _____

County of *York*

Rain Gauge, by _____

Observer *J. Watson C.E.*

Case Air 9 No 10²

Diameter			5								
Height			1. -								
Altitude			1218 π								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January				1.17	5.32	4.06	2.14	2.08	3.90	7.40	
February				4.87	7.67	.78	2.11	4.11	3.99	2.48	
March				1.29	4.07	3.82	6.34	5.35	1.62	2.58	
April				1.05	2.81	3.29	2.56	3.23	3.95	3.49	
May				2.44	2.76	.80	.75	1.73	3.31	3.40	
June				2.81	4.21	2.42	5.23	4.61	3.52	2.53	
July				4.12	3.86	7.52	2.69	1.63	1.38	2.26	
August				3.20	4.76	5.61	2.43	4.12	4.91	1.89	
September....				3.69	.86	1.89	8.00	4.52	1.08	6.97	
October			# 8.68	4.65	7.20	4.68	5.80	1.97	7.27	3.52	
November....			2.56	3.63	3.12	5.95	1.96	4.52	2.88	2.34	
December			2.60	5.02	3.93	5.49	5.90	6.22	5.49	3.44	
TOTALS				37.94	50.57	46.31	45.91	44.09	43.30	42.30	

RAINFALL AT Bradford Thornton Moor Reservoir

Lat. _____

Lon. _____

County of York

Rain Gauge, by _____

Observer Webster E. G. Ch.

No 10

Diameter	5											
Height	1 0											
Altitude	1176 1350											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.02	1.25	1.96									
February ....	.50	.26	1.23									
March	1.16	1.37	.64									
April .....	.75	.92	.75									
May	1.43	1.41	1.86									
June	1.15	.72	1.38									
July	1.00	1.06	1.54									
August	2.92	2.86	1.69									
September....	.83	1.25	1.69									
October .....	.85	1.75	3.59									
November....	2.31	1.93	1.18									
December ....	.65	5.48	1.24									
TOTALS	16.57 7.7	? 20.26	18.75									

1890 & 1 Incorrect, too small

1892 "

N.B. Rejected from Survey as 20" low.

RAINFALL AT

Bradford Thornton Moor

Lat.

Lon.

County of *York W.R. Central*

Rain Gauge, by

Observer *J. Watson Esq. C.E.*

Cuse. Air 9

Diameter ..	5										
Height	1.0										
Altitude ..	1218 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	5.46	3.27	3.28	3.80	3.93	1.50	6.46	1.91	2.90	2.62	3.513
February ..	5.66	1.99	1.71	4.41	4.61	1.47	2.85	2.57	2.86	2.09	3.022
March	1.11	3.57	2.09	5.42	2.65	2.91	2.72	3.91	4.49	3.63	3.250
April	2.51	3.10	2.14	2.19	2.63	2.89	1.91	2.88	3.44	4.39	2.808
May	2.21	1.46	3.27	4.02	3.51	.66	4.16	3.95	3.16	3.23	2.963
June	4.43	1.40	2.33	1.75	1.55	2.30	1.46	6.38	2.44	3.27	2.731
July	2.56	2.30	3.48	4.94	2.22	1.72	2.56	3.36	4.62	5.35	3.311
August	6.30	2.57	4.36	4.66	5.33	6.22	5.55	3.46	3.09	3.65	4.519
September ..	1.31	1.67	2.55	6.12	1.05	2.13	1.27	1.00	3.45	4.13	2.468
October	5.71	3.13	4.81	12.37	1.46	3.15	7.59	7.16	3.29	4.21	5.288
November ..	5.30	6.86	3.64	2.51	3.34	4.57	5.48	3.31	3.58	1.74	4.033
December ..	5.42	5.04	4.16	2.58	2.59	1.10	3.63	4.62	3.17	4.58	3.689
TOTALS ..	47.98	36.36	37.82	54.77	34.87	30.62	45.64	44.51	40.49	42.89	41.505

Hills

not beyond from 1900

RAINFALL at Bradford Thornton Moss FilterCounty of W.R. YorkshireObserver Caligatton Esq C.R.River Basin Guse-Aire 9Litchell Esq C.R.

Rain Gauge, by _____

Diameter ...	5										
Height	10										
Altitude ...	1215										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.50	2.28	5.17	4.95	4.47	6.19	4.68	2.29	2.73	5.22	
February ...	5.40	5.45	2.94	2.37	3.91	5.20	8.32	.92	6.94	1.43	
March	1.14	2.70	5.58	5.89	5.76	1.52	7.01	3.56	1.93	4.32	
April	3.47	2.23	1.23	4.46	2.14	1.78	3.39	2.10	.92	1.99	
May	2.83	1.42	3.79	3.82	1.85	2.25	2.76	1.77	3.79	2.37	
June	2.77	4.13	7.74	2.35	2.53	1.08	3.06	2.45	1.79	1.15	
July	4.28	.76	6.77	1.43	3.08	5.48	3.03	2.09	4.79	2.72	
August	5.56	2.58	7.62	1.52	2.86	5.75	2.78	6.23	2.40	3.07	
September ..	.43	3.73	2.17	2.25	2.55	.89	2.60	1.80	9.79	1.65	
October ...	4.34	4.79	4.80	2.97	2.98	2.56	8.49	7.39	2.63	2.54	
November ..	4.80	4.95	3.60	5.45	6.47	3.02	4.65	4.85	1.96	3.52	
December ...	6.45	6.47	5.50	2.98	7.87	8.35	3.45	1.75	6.94	6.29	
TOTALS ...	46.97	41.59	57.01	40.44	46.47	44.02	54.22	37.20	46.60	36.07	

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

RAINFALL at Bradford Thornton Moor GiltersCounty of N. B. YorkshireObserver L. Mitchell Esq. B.C.River Basin Cuse-Aire 9Engl. BradfordSnowdonBradford

Rain Gauge, by

W. Newlands, Esq. B.C. (1930.)

5.04

4.98

4.99

} good condition

Glass only 30.

Diameter ...	5										
Height	1	0									
Altitude ...	1218			1190				1190			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Max.
January ...	4.55	5.20	4.14	4.06	3.56	5.75	4.70	4.01	10.72	2.34	7.93
February ...	4.12	3.7	5.00	7.28	1.46	7.72	3.55	1.85	6.87	.81	1.21
March	3.13	3.25	3.26	2.83	1.63	1.45	1.91	4.06	4.37	.89	4.31
April	5.32	1.48	3.65	3.60	2.78	2.96	1.88	2.91	1.64	1.53	3.66
May	5.78	2.05	1.17	5.26	5.74	4.72	3.75	1.34	2.19	2.48	2.15
June	2.59	14	2.30	1.15	2.81	.06	2.45	2.73	6.83	1.58	2.19
July	8.05	2.41	5.13	4.44	4.85	1.23	2.69	2.95	1.42	2.72	7.17
August	2.07	6.18	6.29	5.43	4.31	4.38	3.59	6.30	5.40	3.90	6.18
September...	1.81	1.80	5.07	5.60	4.82	3.54	2.90	4.65	.86	1.69	6.55
October	2.50	2.66	1.13	5.66	4.69	5.25	3.43	4.32	7.77	5.59	6.47
November...	2.94	2.73	2.30	7.17	3.54	2.12	6.42	4.72	8.41	8.85	6.49
December...	4.41	7.42	4.35	4.07	5.32	6.17	1.33	2.57	2.99	10.92	4.36
TOTALS...	47.27	38.69	43.79	56.53	45.51	45.35	38.60	42.41	58.87	43.30	58.67

S. inspected 7.5. 6.10.11. situated near Feller beds with considerable drop within 50 yds to NW + from E. GN. New position chosen 10 yds W of water outlet in middle of field surrounded by very small trees, the nearest would be 25 yds. Position not ideal but only fairly sheltered position available.

The gauge was moved April 1923. 250 yds away to S.E.

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

RAINFALL at Bradford (Thornton Moor Filters)County of West RidingObserver Bradford Corpn W.W.River Basin Ouse - Aire - 9.W. Newlands Esq. C.E.Type of Gauge SnowdonThe Waterworks Engineer.Annual Average 44.3 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref 3

660554/26

Diameter	5.										
Height	1.0.										
Altitude	1190.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals
January	4.50	5.63	2.99	3.80	2.43	4.79	6.14	7.67	6.78	2.56	41.29
February	6.21	.43	3.58	.48	7.92	3.70	7.56	2.47	6.17	2.83	41.35
March	.58	3.27	2.79	2.97	2.50	3.27	3.04	1.95	3.97	3.85	28.39
April	4.40	4.67	1.85	2.22	4.60	2.17	3.47	.74	1.84	4.38	30.34
May	4.18	4.62	2.75	2.79	1.02	1.96	3.71	4.44	1.30	1.59	28.36
June	6.74	.84	2.18	2.58	4.23	5.26	2.76	5.77	2.95	.66	33.97
July	4.71	4.00	3.14	2.79	1.85	5.23	3.59	4.72	6.01	3.84	39.88
August	5.01	1.81	1.07	2.50	1.71	3.35	2.34	5.71	3.77	1.64	28.91
September	4.57	5.27	2.11	2.41	7.06	5.69	1.94	2.80	1.86	4.43	38.14
October	3.01	7.39	5.22	5.21	10.23	6.08	3.12	10.89	3.57	4.87	59.39
November	8.70	3.23	2.76	2.64	6.23	7.65	2.28	7.28	7.17	7.56	55.50
December	3.04	1.89	0.68	6.39	4.16	6.06	3.75	4.69	2.77	4.07	37.52
TOTALS	55.65	43.05	31.12	36.78	53.94	55.41	43.70	59.13	47.98	42.28	469.04
	D	D	D	D	D	D	D	D	D	D	D

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, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Bradford (Thornthwaite Moss Filling) Station No. T.F. 2247 41County of West Riding Observer The Waterworks Engineer
River Basin Ouse-Aire-9
Type of Gauge SnowdonAnnual Average 44.3 in. based on 35 years obs. un weighted. Period of average 1881-1915 Ref. 3Av. about 2 in. low? 1926-1945File No. 660554/26

Diameter	5"		075	231							
Height	1' 0"			1							
Altitude	1190'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.10	5.25	5.00	7.02	3.47	5.10	4.34	10.21	3.05	3.18	49.72
February	6.91	2.16	2.99	2.27	4.87	6.51	3.32	4.27	4.13	7.18	44.61
March	5.13	3.29	1.52	.59	1.47	1.67	8.67	2.21	1.41	2.73	28.69
April	2.97	2.33	2.58	3.51	2.66	2.17	4.60	3.34	4.95	4.70	33.81
May	3.00	5.18	3.09	2.33	3.33	2.20	4.01	1.47	3.10	3.02	30.75
June	.61	1.43	3.97	2.96	3.78	3.03	3.44	5.84	.61	1.78	27.45
July	2.04	3.57	2.49	3.69	2.75	3.82	2.70	1.71	3.80	4.85	30.92
August	6.89	4.81	5.79	3.62	5.84	6.70	.41	4.73	4.32	6.86	49.97
September	.60	2.91	4.97	7.28	3.03	6.85	2.90	3.40	1.31	7.15	40.80
October	5.61	6.42	2.61	4.51	6.53	1.20	1.65	2.34	5.01	3.02	38.90
November	3.96	1.34	3.52	6.88	1.10	6.97	7.43	2.48	7.61	5.84	47.73
December	2.94	3.65	2.97	5.08	3.37	3.78	5.22	4.89	9.41	3.09	44.40
TOTALS	43.66 D	42.34 D	44.50 D	43.74 D	42.20 D	50.00 D	48.69 D	46.89 D	48.71 D	52.90 D	467.23

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.

Station No. 3267 T.F. 46RAINFALL at Bradford (Thornton Moor Station) 51County of West Riding - YorksObserver H. Waterworks EngineerRiver Basin Case - Aire - 9Type of Gauge Chapman Bradford 162/43Annual Average 44.3 in. based on 38 years obs. or weighted. Period of average 1881-1915 Ref. S" " 48.25 " " 19 " " with 1936-57 " " 1916-58 File No. 660054/26 P. 22302/55

Diameter ...	5"			075	231							
Height ...	1'0"			1								
Altitude ...	1190'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	5.04	4.97	1.66	4.04	3.32	7.47	4.95	4.51	4.03	5.87	45.86	
February ...	4.43	1.48	2.90	4.67	3.25	2.56	3.69	8.32	7.4	4.52	96.66	
March ...	5.32	2.71	2.12	2.98	3.06	2.78	4.09	3.20	2.08	2.48	80.82	
April ...	2.38	3.33	3.43	.78	1.90	3.58	.49	1.67	4.77	2.98	25.31	
May ...	4.74	2.81	2.53	3.74	3.79	2.03	1.62	6.05	1.72	2.24	31.27	
June ...	1.35	3.21	3.61	2.38	3.08	5.41	2.49	5.41	4.03	1.43	32.40	
July ...	3.48	2.01	5.35	4.35	.75	6.37	4.92	4.43	3.17	6.24	41.07	
August ...	5.18	6.11	5.32	9.94	1.42	9.68	6.14	4.74	1.39	4.81	54.73	
September ...	2.98	5.08	4.26	5.79	2.31	5.53	6.10	4.38	.38	3.01	39.82	
October ...	1.73	5.55	2.63	8.56	3.47	2.50	6.64	4.16	6.17	6.15	47.56	
November ...	10.04	2.41	6.16	7.41	2.92	2.62	3.10	1.42	6.06	8.21	50.35	
December ...	9.38	4.79	2.88	9.00	7.71	6.10	5.73	5.73	9.32	6.64	67.28	
TOTALS ...	56.05	44.46	42.85	63.64	36.98	56.63	49.96	54.02	43.86	54.68	503.13	
	D	D	D	D	D	D	D	D	D	D		

Instn. 23.9.58 Mr. O'Kane instn. can be replaced by bottle or a daily gauge used otherwise sound. Site slightly over-exposed ESE & SSE. Trees & ivy, but give protection other direction. Uncatified means but broken. Can be used for small work.

8 Turf wall

Position of Station on Ordnance One-Inch map :

No. of Map 96National Grid Reference SE (44) 051338

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	-	- but 0.25-30	✓	✓	