

083 166

10 3349

RAINFALL at Fewston Broad DitchCounty of W.R. Yorkshire

Observer

A.J. West Esq. C.R.River Basin Osprey Scarpe 10

Bradford Rain Gauge, by

Diameter ...				5								
Height .....				10								
Altitude ...				725								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS 1916-19 Total	
January ...				3.96	1.85	5.00	1.95	2.20	2.90	3.60	10.65	
February ...				1.25	1.85	3.90	4.35	.84	3.66	2.85	11.09	
March ....				4.00	3.25	1.02	3.80	2.50	1.20	3.04	10.54	
April ....				3.55	1.05	1.20	2.00	1.40	.90	1.60	5.90	
May .....				2.75	1.30	1.60	3.30	2.03	3.90	1.50	10.73	
June.....				1.75	2.90	.45	1.90	2.27	.82	1.50	6.29	
July .....				.95	4.25	1.45	2.40	1.45	8.00	2.80	11.35	
August.....				1.70	1.58	2.80	2.65	6.64	3.18	2.50	14.74	
September ..				1.45	1.82	.60	1.94	1.00	7.70	1.40	12.04	
October ...				2.75	2.70	1.50	5.55	4.30	2.13	3.65	15.63	
November..				3.05	4.80	2.05	3.25	3.20	1.70	8.10	10.25	
December...				1.48	6.09	7.30	2.45	1.50	5.60	4.90	14.45	
TOTALS ...				286.4	33.44	29.27	35.54	29.33	38.65	30.14	133.66	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Fewston	1 3/4 m	NW	Brootwicks	4 1/2	N

## RAINFALL at Harrogate W.W. Broad Dubb

County of N.P. Yorkshire

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

River Basin Guse-Nidd 11

Water Envir. Harrogate

1923 Discovered.

Gal.-iron Standard Rain Gauge, by Casella

no hinged 5.02  
5.06  
5.06 } mounted

edge - rim. 5.06 M.

(VII-22) in good condition.

Diameter ...	5"									1930 MEANS.	1920-30 TOTALS
Height .....	10										
Altitude ...	725										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...	3.90	5.00	3.21	2.05	2.60	3.00	3.60	2.20	5.35	2.20	5.85
February ...	2.25	19	3.40	5.00	1.10	5.20	3.10	1.50	3.50	.70	1.35
March .....	2.60	1.10	2.05	1.05	1.55	1.30	2.10	2.45	3.00	.63	3.20
April.....	4.62	1.22	3.30	2.70	2.10	4.00	1.60	2.59	.90	1.33	3.30
May .....	3.74	1.90	1.10	3.30	4.05	5.20	2.70	1.61	2.40	1.98	1.50
June .....	3.08	.09	1.30	.98	3.20	.06	4.00	3.28	5.80	1.08	1.95
July .....	6.50	1.90	4.78	3.90	4.80	.94	2.60	4.80	1.00	3.10	4.80
August .....	1.70	4.20	5.30	4.30	3.20	3.32	3.90	6.54	4.10	2.30	3.98
September...	1.20	1.05	(3.50)	3.70	3.70	2.70	1.15	3.80	1.00	.58	3.57
October.....	3.08	1.90	1.40	4.00	3.90	4.00	2.16	3.28	5.20	3.59	3.00
November...	1.90	2.70	1.25	4.00	2.34	2.50	6.20	3.34	8.10	4.40	4.70
December...	3.50	4.50	3.40	3.70	3.60	4.20	1.11	3.90	2.00	7.00	3.12
TOTALS...	38.07	26.45	(33.99)	39.88	36.34	36.42	35.22	39.29	42.55	28.89	40.32
	M	M	M	M	M	M	M	M	M	M	M

Inspected 7/6. 3-04-23. S. situated in open field surrounded by bushes in fence 4 ft. away (square). Fairly good exposure but advisable to back up fence 5 ft. 6 in. into turf.

1922: Sept. est. from maps.

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
1920			Gawsworth	1 3/4 mi. NW		Birstwith	4 1/2 mi. N
1929	da						
1930			Darley	4 3/4 mi. N.W.		Beckwithshaw	2 1/2 mi. E.

## RAINFALL at Harrogate W.W. (Broad Dubb)

County of West Riding.

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

River Basin Ouse - Nidd - II.

Type of Gauge.

Annual Average ~~34.0~~ in. based on ~~14~~ years obs. un-weighted. Period of average 1881-1915 Ref. 1. W.S.  
 (1939) 34.1 14 66056/26

Diameter	S.											
Height	1.0.											
Altitude	725.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means	Total
January	2.50	2.28	1.90	2.27	1.53	3.50	4.50	4.50	5.50	1.77	30.26	
February	(2.70)	3.83	3.83	2.22	3.42	3.00	4.80	1.56	3.48	1.85	25.19	
March	1.72	2.40	1.48	2.69	1.05	2.28	2.25	.31	2.78	2.23	18.29	
April	4.00	2.90	2.76	3.58	2.00	1.12	2.81	.07	2.78	2.65	24.66	
May	3.00	4.85	4.36	1.66	1.00	2.50	3.00	2.85	1.06	1.15	25.42	
June	6.00	.75	2.06	1.78	3.45	5.59	2.70	3.07	2.96	.63	28.99	
July	3.93	4.10	2.06	.97	1.00	4.39	2.06	3.05	5.73	3.39	30.67	
August	4.26	1.22	0.50	1.28	2.60	2.59	1.31	4.15	3.03	.69	21.63	
September	5.85	3.10	2.00	2.54	6.50	2.75	1.38	3.00	1.85	2.85	31.82	
October	1.25	3.66	<del>4.70</del>	2.90	5.40	2.04	2.73	6.60	2.78	2.75	33.50	
November	5.20	2.55	2.67	2.50	6.70	3.90	1.65	3.57	4.24	4.98	40.86	
December	1.60	1.27	0.92	6.25	2.53	2.45	3.08	4.96	2.52	3.75	29.33	
TOTALS	(41.01)	29.40	(26.64)	37.18	36.21	32.27	37.69	40.71	28.69	34.61		

1931. Febr. adjusted by surrounding stations.

1930 Oct. adjusted by near stations

 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	4 $\frac{3}{4}$	NW	Beckwithshaw	2 $\frac{1}{2}$	E

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

Station No. 3349

## RAINFALL at Haregate WW (Broad Dub.)

41

County of West Riding Observer A.S. West Esq., CE.  
 River Basin Ouse - Nidd - II The Water Engineers  
 Type of Gauge

Annual Average 34.1 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 660569/26

Diameter	5"	063	166	✓						
Height	1' 0"		1							
Altitude	725		41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	4.64	(4.17)	4.68	4.55	4.05	3.96	4.69	7.88	1.37	1.65
February	5.58	2.53	1.65	1.83	4.41	2.98	2.70	2.18	1.88	5.41
March	4.26	2.86	.90	.56	2.06	1.84	5.35	1.69	1.16	1.78
April	(2.70)	1.30	1.55	4.25	1.18	1.75	3.38	2.22	2.15	2.87
May	2.47	2.96	2.26	1.33	2.70	2.69	3.52	.90	1.10	2.14
June	.13	1.00	2.38	2.58	3.86	2.72	3.38	2.95	.66	.83
July	2.50	2.00	2.52	4.84	2.80	4.45	2.11	.75	2.40	3.18
August	3.00	2.60	3.15	3.05	3.48	4.70	.46	4.20	2.21	6.10
September	.60	2.56	3.40	5.25	1.84	5.89	1.95	2.58	1.30	5.05
October	4.31	2.58	2.20	2.95	5.10	1.87	1.32	1.73	3.60	1.38
November	3.50	1.33	2.70	6.22	.68	6.74	3.39	1.47	4.72	4.00
December	1.32	2.95	2.39	3.75	2.16	2.40	3.29	2.60	4.77	2.00
TOTALS	36.03	27.90	29.68	41.16	34.32	41.99	35.54	31.15	27.32	36.39
	M	M	M	M	M	M	M	M	M	M

1941 April apportioned from nearby sites.

1942 Jan. cold by .60.

0400440004

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
1941			Darley	4½ miles	N.W.	Beckwithshaw	2½ miles E.

BRITISH RAINFALL ORGANIZATION

Station No. 3349

51

RAINFALL at Harrogate 10.10. (Broad Yubb)

County of West Riding - Yorks.

Observer The Water Engineer,River Basin Quare Midd-11Clayo Water Board.

Type of Gauge. M.O.

Annual Average 34.1 in. based on 1/4 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.  
34.61 " " 35 " 1916-1950 PFile No. 660560/26E16133/1

Diameter ...	5"	063	166							Means
Height ...	1'0"			1						
Altitude ...	725'			51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January	2.95	3.15	1.04	2.40	2.59	4.72	2.33	2.81	3.97	5.39
February	3.05	.91	2.60	2.69	2.89	2.62	3.11	5.70	.27	2.43
March	3.65	1.83	1.00	1.80	2.34	1.54	2.75	2.59	1.49	2.61
April	.99	1.40	2.45	.30	1.04	2.98	.33	.88	4.03	1.64
May	5.65	1.90	1.87	4.30	3.06	1.11	1.32	4.61	1.12	0.99
June	.90	1.47	1.65	2.01	2.54	2.78	2.13	4.58	1.70	1.08
July	2.27	1.39	3.04	1.78	.99	5.61	3.47	5.18	2.49	5.32
August	5.40	3.22	4.36	7.16	2.02	6.90	5.59	2.17	.82	3.25
September	2.97	4.58	3.41	2.74	1.54	4.73	4.59	4.05	.21	3.86
October	1.00	3.63	1.90	4.65	2.61	1.58	3.74	2.51	3.02	6.30
November	7.59	2.02	3.45	5.40	2.52	1.08	2.31	.90	4.97	6.21
December	4.05	2.27	1.68	4.62	6.03	4.43	3.45	5.88	6.31	4.46
TOTALS ...	40.47	27.77	28.45	39.88	30.17	40.08	35.12	39.86	30.40	43.84
	M	M	M	M	M	M	M	M	M	M

surf. B 1959 10.00. Overwash all directions. Fair turf well

## Turf. well

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 44/33550

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Scalby	4 3/4 m NW	Backwithshaw	2 1/2 m E

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
		C1913	✓	✓	✓	

Station No. 33149

51

RAINFALL at Harrogate 10.10. (Broadgate)

County of West Riding - Yorks.

Observer The Water Engineer,River Basin Quay Head - 11Clayo Water Board.

Type of Gauge. M.O.

Annual Average 34.1 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.  
34.61 " " 35 " 1916-1950 PFile No. 660560/26E 16133/1

Diameter ...	<u>5"</u>	<u>.063</u>	<u>166</u>								
Height ...	<u>1'0"</u>		<u>1</u>								
Altitude ...	<u>725'</u>		<u>51</u>								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	<u>2.95</u>	<u>3.15</u>	<u>1.04</u>	<u>2.40</u>	<u>2.59</u>	<u>4.72</u>	<u>2.33</u>	<u>2.81</u>	<u>3.97</u>	<u>5.39</u>	<u>31.85</u>
February	<u>3.05</u>	<u>.91</u>	<u>2.60</u>	<u>2.69</u>	<u>2.89</u>	<u>2.62</u>	<u>3.11</u>	<u>5.70</u>	<u>.27</u>	<u>2.43</u>	<u>26.27</u>
March	<u>3.65</u>	<u>1.83</u>	<u>1.00</u>	<u>1.80</u>	<u>2.34</u>	<u>1.54</u>	<u>2.75</u>	<u>2.59</u>	<u>1.49</u>	<u>2.61</u>	<u>21.60</u>
April	<u>.99</u>	<u>1.40</u>	<u>2.45</u>	<u>.30</u>	<u>1.04</u>	<u>2.98</u>	<u>.33</u>	<u>.88</u>	<u>4.03</u>	<u>1.64</u>	<u>16.04</u>
May	<u>5.65</u>	<u>1.90</u>	<u>1.87</u>	<u>4.30</u>	<u>3.06</u>	<u>1.11</u>	<u>1.32</u>	<u>4.61</u>	<u>1.12</u>	<u>0.99</u>	<u>25.93</u>
June	<u>.90</u>	<u>1.47</u>	<u>1.65</u>	<u>2.01</u>	<u>2.54</u>	<u>2.78</u>	<u>2.13</u>	<u>4.58</u>	<u>1.70</u>	<u>1.08</u>	<u>20.84</u>
July	<u>2.27</u>	<u>1.39</u>	<u>3.04</u>	<u>1.98</u>	<u>.99</u>	<u>5.61</u>	<u>3.47</u>	<u>5.18</u>	<u>2.49</u>	<u>5.32</u>	<u>29.54</u>
August	<u>5.40</u>	<u>3.22</u>	<u>4.36</u>	<u>7.16</u>	<u>2.02</u>	<u>6.90</u>	<u>5.59</u>	<u>2.17</u>	<u>.82</u>	<u>3.25</u>	<u>40.69</u>
September	<u>2.97</u>	<u>4.58</u>	<u>3.41</u>	<u>2.94</u>	<u>1.54</u>	<u>4.73</u>	<u>4.59</u>	<u>4.05</u>	<u>.21</u>	<u>3.86</u>	<u>32.71</u>
October	<u>1.00</u>	<u>3.63</u>	<u>1.90</u>	<u>4.65</u>	<u>2.61</u>	<u>1.58</u>	<u>3.74</u>	<u>2.51</u>	<u>3.02</u>	<u>6.30</u>	<u>30.94</u>
November	<u>7.59</u>	<u>2.02</u>	<u>3.45</u>	<u>5.40</u>	<u>2.52</u>	<u>1.08</u>	<u>2.31</u>	<u>.90</u>	<u>4.97</u>	<u>6.21</u>	<u>36.45</u>
December	<u>4.05</u>	<u>2.27</u>	<u>1.68</u>	<u>4.62</u>	<u>6.03</u>	<u>4.43</u>	<u>3.45</u>	<u>5.88</u>	<u>6.31</u>	<u>4.46</u>	<u>43.18</u>
TOTALS ...	<u>40.47</u>	<u>27.77</u>	<u>28.45</u>	<u>39.88</u>	<u>30.17</u>	<u>40.08</u>	<u>35.12</u>	<u>39.86</u>	<u>30.40</u>	<u>43.84</u>	<u>356.04</u>
	M	M	M	M	M	M	M	M	M	M	

Imp. B 1959 J.B.O.R. Overlaps all directions. Fair fair well

## Temp. well

219530

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 44/100000

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			<u>Scalby</u>	<u>4 3/4 m NW</u>	<u>Beckwithshaw</u>	<u>2 1/2 m E</u>

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
		<u>C1913</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	