

RAINFALL at Whitby South

County of H Lancashire

Observer J T Sanderson

The Home Board of Meteorology

J. E. Spalding

River Basin Lune 4

Copper

Bradford Rain Gauge, by Hicks (2025)

Read on afternoon of last day of month.

Diameter ...			5								
Height			10								
Altitude ...			1139								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				6.31	4.75	7.79	7.68	3.45	6.32	8.21	
February ...				3.59	7.43	9.98	5.95	1.62	8.67	2.27	
March				9.23	5.94	2.48	3.35	3.30	2.32	6.00	
April				7.57	3.70	3.46	3.85	3.79	1.68	2.40	
May				3.35	2.35	2.30	5.45	3.57	2.57	3.16	
June				3.85	1.65	.74	3.37	3.92	2.93	2.30	
July				1.64	3.64	5.37	3.43	2.32	5.54	1.79	
August				2.50	2.82	4.23	4.50	10.65	4.60	3.40	
September ..				3.85	3.92	1.80	2.38	5.65	11.75	5.80	
October ...				3.39	2.38	2.12	12.75	8.50	5.80	2.67	
November ..			5.86	7.92	5.30	2.31	6.50	5.72	4.70	4.00	
December...			7.20	4.16	10.29	11.45	5.26	4.35	9.13	9.20	
TOTALS ...				57.36	58.22	54.06	65.02	56.74	66.01	51.20	

+ 23.VI.15 H.R.M. Within iron fence 6 ft. sq. 3'6" high with fine wire netting around it. Everything favourable as to exposure. More broken country than High Salter but no cause to suspect record. About $\frac{1}{2}$ " of water in pits can be due to condensation.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54° 30'	2.30	Boulton	5 1/2 m		Talham Fell	3 m	

RAINFALL at *Bowland Forest-Whitray*County of *N. Lancashire*Observer *J. T. Henderson Esq. J. Gopstick*River Basin *June 4**Copper Bradford Rain Gauge, by Hicks (3015)*

Diameter ...	5										
Height	10										
Altitude ...	1139										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean. 1930
January ...	6.90	10.43	6.35	6.45	6.43	6.47	13.25	6.00	16.52	(20.04)	12.80
February ...	5.00	3.35	5.50	11.32	7.6	9.18	9.00	5.10	7.75	(6.60)	.50
March	6.70	7.74	3.85	2.58	2.15	1.53	2.13	5.89	5.87	1.24	4.90
April	7.75	2.00	4.50	5.14	2.80	4.58	2.53	3.80	2.19	(1.65)	2.10
May	7.50	4.40	2.77	5.55	6.94	6.00	3.60	2.00	.52	(2.40)	1.95
June	3.26	.37	3.33	1.22	3.80	.70	4.90	5.71	9.35	(1.65)	2.73
July	7.68	2.49	7.26	5.94	5.84	2.80	4.70	5.46	4.38	(12.00)	5.40
August	4.65	7.86	5.55	6.94	6.82	6.00	4.74	8.88	8.20	(8.02)	9.80
September...	3.29	2.78	5.90	8.55	8.19	8.29	4.84	7.54	2.25	(3.53)	3.90
October	3.38	3.38	2.10	9.84	7.32	9.55	7.50	7.57	10.16	9.55	11.10
November...	5.20	3.90	3.28	9.39	5.60	1.90	9.24	(6.60)	9.50	10.45	7.70
December...	6.26	10.00	8.35	6.74	12.00	(3.92)	1.15	(1.88)	3.59	(11.41)	6.02
TOTALS...	67.57	55.70	65.74	79.66	68.65	(57.62)	67.58	65.93	80.28	(54.20)	68.90

1925. Dec. cond. by sun. & stars.

1927. Nov. & Dec. adj. $\frac{1}{2}$ by 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	Direction from gauge
	54°30'	2°30'	Bentham	5 1/2 mi		Latham Tella	3 mi	

RAINFALL at Bowland Forest (Whitray)County of North LancashireObserver J. T. Sanderson Esq.River Basin Lune - 4Veron? Doyle Esq. (1919)

Type of Gauge.....

Annual Average 57.5 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S

664608/26.

Diameter	5.										
Height	1.0.										
Altitude	1139.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	10.15	8.24	5.38	7.14	3.24	4.70	6.72	7.65	5.51	3.80	
February	6.82	2.7	4.96	3.6	7.74	4.82	8.30	2.71	8.56	3.54	
March	9.7	4.11	4.62	3.47	1.70	4.78	3.60	1.44	2.79	5.75	
April	4.28	6.17	2.93	3.56	4.82	1.38	2.55	3.0	2.55	3.20	
May	3.17	6.66	2.58	5.33	4.8	1.63	2.67	4.44	1.54	1.97	
June	6.73	2.75	4.30	2.47	5.45	2.90	3.85	(6.50)	3.93	4.2	
July	6.80	5.71	6.72	2.37	2.42	5.69	2.87	2.92	6.45	5.72	
August	5.35	1.81	2.68	4.95	2.68	3.43	3.00	(5.50)	2.06	2.40	
September	2.57	8.63	1.55	6.63	10.50	4.55	2.80	2.81	1.20	5.55	
October	3.50	5.98	5.35	8.70	12.24	6.25	2.87	(15.57)	3.36	8.25	
November	12.28	5.50	2.90	1.90	6.21	7.70	1.76	9.10	9.97	6.54	
December	4.97	4.30	1.30	4.75	4.21	7.73	4.43	7.30	1.76	4.40	
TOTALS	67.59	63.13	45.27	56.63	61.69	60.56	46.42	(66.29)	49.68	51.54	

1938. June, Aug. + Sept. coll. by Mr. S. S. S.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.

Station No. 3044

RAINFALL at Bowland Forest (Whitray)

41

County of North Lancashire Observer Wm. R. Ryley Esq.River Basin LancasterThe Lancashire Board of Conservators (1946)

Type of Gauge.....

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Annual Average 57.5 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 664.608/26

Diameter	5"			583	043						
Height	1'0"				1						
Altitude	1139'				41'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.50	6.00	12.79	6.85	7.70	6.42	(5.85)	4.30	4.60	2.75	
February	6.59	2.16	3.72	1.83	4.30	(5.50)	(1.00)	5.30	4.10	4.09	
March	4.60	3.00	1.90	.30	2.20	1.57	(2.80)	5.20	2.30	4.40	
April	1.55	3.15	4.00	2.90	3.15	1.73	5.70	2.70	4.20	3.80	
May	3.95	6.50	4.83	.67	4.32	2.50	3.70	1.60	2.20	1.90	
June	.10	1.81	3.28	4.64	6.28	2.10	4.00	3.50	-1.00	3.80	
July	1.55	5.87	4.60	5.69	5.90	4.93		2.40	4.20	7.00	
August	8.60	8.32	6.85	3.20	2.80	10.70		3.00		13.70	
September	1.36	4.80	4.45	6.15	4.12	8.90		4.60		10.50	
October	8.66	7.45	4.50	6.60	5.76	1.50		3.80		3.80	
November	4.50	1.64	4.42	9.90	1.00	10.20		3.20		7.00	
December	5.50	6.20	3.60	4.70	-1.80	7.20		6.60	10.20	3.60	
TOTALS	49.66	56.90	58.94	53.43		63.25	imp	46.20		66.34	

1944 n.p. low

1945 n.p. unreliable

1946 n.p. Jan-Aug. unreliable.

1947 n.p. imp. Jan, Feb. max. wind for snow. Gauge leaking from July. Values July-Dec. values

1948 n.p. low (about 20 inches low).

1949 Overhaul & repairs to gauge carried out. See encl. 95A in file

20004

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.
1950			North Benham					

BRITISH RAINFALL ORGANIZATION

Station No. *21/100*RAINFALL at *Bowland Forest (Whitray)*

51

County of *N. Lancashire*Observer *The Linc. Board of Conservators*River Basin *Stone - 4**Lancashire River Board (1952)*Type of Gauge *Bradford*Annual Average *57.5* in. based on *17* years obs. un-weighted. Period of average *1881-1915* Ref. *5*" " *65.13* " " *3* " *1965-67* " " *1916-50* *5* File No. *16388/23*

Diameter ...		<i>583</i>	<i>043</i>	<i>5"</i>							
Height ...			<i>1</i>	<i>1' 0"</i>							
Altitude ...			<i>51</i>	<i>1160'</i> <i>1139'</i>							
Year ...	<i>1951</i>	<i>1952</i>	<i>1953</i>	<i>1954</i>	<i>1955</i>	<i>1956</i>	<i>1957</i>	<i>1958</i>	<i>1959</i>	<i>1960</i>	Means
January ...			<i>(3.30)</i>		<i>4.75</i>	<i>4.50</i>	<i>8.20</i>	<i>6.80</i>	<i>5.12</i>		
February ...			<i>2.75</i>	<i>5.75</i>	<i>3.15</i>	<i>1.30</i>	<i>6.20</i>	<i>9.15</i>	<i>1.29</i>		
March ...		<i>5.55</i>	<i>1.60</i>		<i>(2.50)</i>	<i>1.65</i>	<i>5.55</i>	<i>1.45</i>	<i>4.45</i>		
April ...		<i>4.60</i>	<i>3.05</i>		<i>1.80</i>	<i>2.45</i>	<i>1.20</i>	<i>1.95</i>	<i>5.11</i>		
May ...		<i>4.00</i>	<i>(2.90)</i>		<i>5.70</i>	<i>2.75</i>	<i>3.70</i>	<i>7.80</i>	<i>2.06</i>		
June ...		<i>4.50</i>	<i>(3.00)</i>	<i>4.75</i>	<i>4.30</i>	<i>3.40</i>	<i>2.10</i>	<i>4.50</i>	<i>3.81</i>		
July ...		<i>3.90</i>	<i>(8.00)</i>	<i>8.80</i>	<i>2.65</i>	<i>5.00</i>	<i>7.05</i>	<i>4.75</i>	<i>4.24</i>		
August ...		<i>8.90</i>	<i>7.15</i>	<i>6.75</i>	<i>1.15</i>	<i>13.75</i>	<i>6.50</i>	<i>6.00</i>	<i>.86</i>		
September ...		<i>5.40</i>	<i>7.30</i>	<i>8.00</i>	<i>4.85</i>	<i>4.15</i>	<i>8.30</i>	<i>8.45</i>	<i>.67</i>		
October ...		<i>6.30</i>	<i>3.50</i>	<i>12.75</i>	<i>3.90</i>	<i>4.00</i>	<i>8.90</i>	<i>7.25</i>	<i>7.07</i>		
November ...			<i>8.00</i>	<i>9.50</i>	<i>3.60</i>	<i>1.85</i>	<i>2.05</i>	<i>2.35</i>	<i>8.29</i>		
December ...			<i>3.90</i>	<i>11.25</i>	<i>8.35</i>	<i>7.25</i>	<i>6.90</i>	<i>5.75</i>	<i>13.74</i>		
TOTALS ...	<i>N.R.</i>		<i>(54.45)</i>	<i>mic</i>	<i>46.70</i>	<i>52.05</i>	<i>66.65</i>	<i>66.20</i>	<i>56.71</i>		

Totals *4152**1952. Nov. container damage**1953 NP too much evap.**1954 NP incomplete**1955 Slight leak reported at end of Mar. repaired early Apr. Mar. est. m.o.2**Inst. 1957/60. Site one-cupped WSW-N. of slightly overhauled by outflow. Check g. to be set up by Fyler & B.**1960 Jan. damaged*Position of Station on Ordnance One-Inch map : No. of Map *39* National Grid Reference *5D(34)678613*

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
	<i>Cimp. 1912</i>	<i>✓</i>	<i>✓</i>	<i>41-44, 46, 48, 50</i> <i>n.p. 45, 46, 48</i>	

Air Ministry, Meteorological Office

RAINFALL at Bowland Forest (Whitney No 4) Station No. 3044/1 7285

County of M. Lancs. Observer F. J. D. B. D.

River Basin Lune - 4

Type of Gauge _____

Annual Average _____ in. based on _____ years obs. un-weighted. Period of average _____ Ref. _____

File No. E2012/56

Diameter ...				583.044						5"	
Height ...				1						1'0"	
Altitude ...				51						1165	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...									4.90	9.38	
February ...									1.52	8.68	
March ...									4.37	2.48	
April ...									5.30	6.25	
May ...									1.92	2.11	
June ...									3.89	3.28	
July ...									4.37	11.02	
August82	5.72	
September65	4.75	
October ...									(7.20)	5.85	
November ...									8.86	14.35	
December ...									14.04	9.12	
TOTALS ...									57.84	82.99	

Temp well

1959: - Pm 4.

Position of Station on Ordnance One-Inch map: No. of Map 89 National Grid Reference 52(84)676413

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge
This site is a few yards ESE of old site S/N 3044 see E322 1967 inscription in E2012/56.						

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1960.					