

RAINFALL AT Skipton. Thorpe Fell. Board.

70

Lat.

Long.

County of York W. R.

Rain Gauge, by

Observer A. R. Binnie Esq C. L.

(22)

Diameter . . .										
Height . . .										
Altitude . . .							166	1661		
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS.
January . . .							1.80	4.80	4.14	.92
February . . .							4.90	3.30	1.58	2.24
March . . .							4.10	2.90	1.95	1.70
April . . .							3.00	2.97	2.00	1.72
May . . .							1.04	4.26	3.88	1.63
June . . .							2.32	1.17	3.47	6.46
July . . .							3.44	5.62	4.33	6.98
August . . .							3.22	6.63	7.24	7.12
September . . .							4.91	(3.00)	4.59	1.75
October . . .							3.20	4.71	4.02	2.22
November . . .							3.25	5.27	3.73	1.17
December . . .							6.42	3.12	1.53	1.45
TOTALS . . .							41.60	(40.49)	41.96	35.36

X May & Sept. estd. Barnoldswick
Water 8/19/13

1877 Observations for May & Sept? imperfect

RAINFALL AT ~~Lepton~~, Thorpe Fell, Burden

80

Lat.

Lon.

County of York, W.R.

Monthly

Rain Gauge, by

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

Dose - Wharfe 10 970 22

Diameter	5										
Height	1.0										
Altitude	1661										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January.....	.56	.58	4.16	6.20	4.68	1.80	3.03	1.50	1.20	1.60	
February....	3.58	4.90	3.63	2.60	2.45	1.08	1.09	1.66	.70	1.60	
March.....	3.12	4.67	5.07	.23	2.90	1.56	3.16	1.31	1.85	1.90	
April.....	2.10	1.35	4.13	2.65	1.41	1.26	1.95	1.44	2.42	1.60	
May.....	2.27	3.47	1.76	.50	2.57		3.58	1.82	.55	2.16	
June.....	5.92	3.16	5.87	2.70	3.30	2.85	1.16	.00	2.09	.10	
July.....	1.25	5.83	7.21	4.00	6.62	1.30	3.58	1.80	5.11	2.59	
August.....	5.35	4.43	3.62	2.52	1.95	1.70	2.02	4.79	3.40		
September....	4.75	3.45	3.30	5.45	2.62	3.73	1.95	5.10	.80	3.37	
October....	1.36	3.90	4.75	3.60	2.40	3.40	5.55	2.00	.90	4.12	
November....	5.07	7.21	4.67	2.90	1.50	1.88	3.00	2.95	6.78	.97	
December....	5.32	2.83	4.98	2.53	5.47	.75	2.26	2.20	2.09	1.03	
TOTALS	46.70	53.99	36.98	35.24		32.00	23.80	29.28	24.44		

1880 Jan, July August & Oct. incorrect.

1882 Oct ^{1st} Record imperfect, amount computed

1885 May gauge tampered with.

Rejected from Survey : 8° too low.

RAINFALL AT Skipton Thorpe Fell Barden

Lat.

Lon.

County of York W.R.

Rain Gauge, by

Dose - Wharf Monthly No. 22

Observer J. Webster Esq. C.E.

J. Watson Esq. C.S.

Diameter	5										
Height	10										
Altitude	1161 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.16	1.97	2.77	1.07	3.37	4.05	2.62	1.97	3.96	5.86	3.080
February59	.45	2.27	5.09	6.17	1.10	1.80	2.78	3.77	2.23	2.625
March	4.81	1.72	.92	1.27	3.48	3.00	4.70	4.67	1.68	1.83	2.808
April	1.20	1.77	1.89	.41	2.26	2.23	2.30	2.20	3.50	3.16	2.092
May	2.33	2.01	3.67	2.70	2.11	.53	4.7	2.05	2.58	4.24	2.269
June	4.24	1.23	4.17	3.77	2.46	1.66	3.27	3.94	3.10	1.95	2.779
July	3.87	3.98	2.86	5.33	4.40	5.57	3.84	1.94	1.38	2.70	3.587
August	6.76	6.19	7.11	4.92	4.39	3.54	2.12	5.90	5.73	2.54	4.920
September	2.32	2.43	4.06	5.03	.46	2.20	6.08	4.96	1.30	5.24	3.108
October	2.44	4.07	5.62	4.73	4.83	5.63	3.87	2.24	5.78	3.03	4.224
November	4.41	4.27	2.78	3.16	3.36	3.10	1.20	3.60	2.54	2.70	3.112
December73	5.69	1.37	3.24	4.07	3.86	4.74	4.68	4.46	3.77	3.661
TOTALS ..	36.86	35.78	39.49	40.72	41.36	36.47	37.01	40.93	39.78	39.25	38.765

Rejected from Survey : 8° too low

RAINFALL AT Burnsall Thorpe Fell

Lat.

Lon.

County of York W.R. Northern

Rain Gauge, by

Observer

G. Watson Esq. C.L.

Shape - 10.

M

Diameter ..	5										
Height	1 0										
Altitude ..	1661 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.77	2.95	2.57	3.97	3.49	1.73	5.27	2.02	3.87	2.07	3.271
February ..	5.05	1.93	1.77	4.21	3.27	1.92	2.87	2.12	3.10	3.09	2.933
March97	2.82	2.47	5.19	2.20	3.12	2.93	3.48	4.28	4.10	3.159
April.....	2.30	2.37	1.79	2.07	3.59	3.27	1.17	2.57	2.76	3.74	2.563
May	1.53	1.44	2.73	3.07	3.84	.65	5.40	3.77	3.26	2.88	2.857
June	3.79	1.20	1.53	1.87	2.30	2.07	2.03	7.28	5.17	3.10	3.034
July	3.00	1.84	3.21	4.57	1.77	1.52	2.06	2.78	5.25	5.83	3.183
August	5.98	3.04	2.74	4.51	3.98	4.73	4.70	3.97	3.67	3.63	4.095
September..	1.75	2.67	1.87	4.10	1.63	3.72	1.12	.87	4.73	3.84	2.630
October....	5.64	2.88	3.79	10.23	1.77	3.04	6.27	6.23	2.90	4.46	4.711
November..	4.73	5.18	2.83	2.53	3.71	4.37	5.15	2.78	3.22	2.37	3.687
December ..	4.67	5.06	3.33	2.37	2.98	1.27	3.15	5.86	3.42	5.97	3.803
TOTALS ..	44.18	33.38	30.63	48.69	34.51	31.41	42.12	43.73	45.53	45.08	39.926

Hub

Rejected from Survey : 8° too Low.

061 781

10 3337

RAINFALL at Burnsall Thorpe Fell No 22

County of W Yorkshire

Observer Latt Watson by CL

River Basin One-Wharfe 10

L. Mitchellby Cl.

Rain Gauge, by

Diameter	5										
Height	10										
Altitude	1661 ft										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	6.32	1.53	4.45	4.37	2.93	5.28	4.37	3.04	3.37	4.69	
February	4.28	5.37	2.48	1.74	2.86	4.46	4.37	1.00	6.77	1.49	
March80	2.67	5.27	4.87	5.32	1.58	2.83	2.13	1.73	4.53	
April	2.32	2.14	1.04	3.62	.97	1.58	2.51	1.87	1.28	2.18	
May	1.97	1.03	2.50	3.53	2.54	1.73	2.67	1.97	2.09	1.63	
June	3.00	3.20	7.16	2.62	3.15	.98	3.07	2.67	1.97	1.17	
July	3.64	.91	5.06	1.02	2.84	4.87	3.45	1.86	5.78	3.12	
August	6.30	2.87	5.23	2.40	3.34	2.60	4.53	8.03	4.65	3.58	
September38	4.13	2.23	1.74	2.48	1.02	2.65	1.97	10.76	1.83	
October	4.23	3.53	5.17	2.00	2.57	1.23	9.97	5.48	8.72	3.57	
November	4.07	3.67	2.80	4.50	5.70	1.97	4.57	3.92	2.46	3.23	
December	4.52	5.96	4.77	3.24	6.77	6.24	8.09	2.97	7.42	5.74	
TOTALS	41.86	37.01	48.16	35.65	41.47	34.54	48.08	36.91	51.99	36.84	

Rejected from Survey : 8" too low

RAINFALL at Burnsall Thorpe Fell No. 22County of W. R. YorkshireObserver L. Mitchell Esq. C.E.River Basin Guse WharfeEngineer BradfordSnowdon Rain Gauge, by M.

W. Newlands, Esq., M.A., (1930)

Diameter ...	5"										
Height	10										
Altitude ...	1661										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean
January ...	4.89	7.63	4.07	4.11	3.03	3.65?	4.62	4.66	9.55	1.22	6.73
February ...	3.87	4.9	4.87	5.08	8.9	4.60?	4.72	1.73	4.33	.93	.31
March	3.29	3.54	3.19	2.38	1.27	.90	1.80	3.18	7.10	.61	1.25
April.....	4.60	4.98	3.19	2.81	1.93	3.10	1.43	4.83	.90	1.83	1.98
May	4.27	1.52	1.07	2.92	5.23	5.34	4.14	1.72	1.13	2.42	1.69
June	2.39	2.21	2.76	.88	2.20	.00	3.62	3.46	6.09	1.63	2.48
July	6.79	2.63	6.17	4.70	4.73	2.04	4.34	6.05	2.38	3.16	4.64
August	3.04	5.73	3.34	6.03	6.13	5.68	5.16	(7.78)	6.79	5.77	5.77
September...	1.59	2.09	4.63	5.93	4.99	3.64	3.56	5.92	.75	2.05	4.16
October.....	2.98	3.21	.88	7.03	5.28	5.25	4.82	5.47	5.52	6.57	5.43
November...	3.73	2.79	2.34	5.19	4.63	1.18?	6.97	4.81	6.83	6.53	5.16
December...	4.03	6.98	3.08	2.46	4.87	4.43	2.27	1.35	2.42	7.09	2.80
TOTALS...	45.47	57.80	39.59	50.04	45.20	39.81?	47.46	50.96	49.79	39.81	42.40
	M	M	M	M	M	M	M	M	M	M	M

glo. S.W. 22. This S. could not be seen in the line, but it was clear that ^{inwardwards} S. was not exposed and a better position could be obtained to leeward side of hill.

Rejected from Survey : too low

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 Burnsall (Thorpe Fell) *

County of West Riding.

Observer Bradford Corp. W.W.

River Basin Ouse - Wharfe-10.

W. Newlands Esq. C.E.

Type of Gauge Snowdon.

The Engineer, Bradford W.W.

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

Ref.

660554/26

Diameter	5.										
Height	1.0.										
Altitude	1661.		1649	1661	1649						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.17	5.80	2.92	4.14	2.22	4.15	4.84	8.52	7.54	1.85	
February	5.96	5.50	4.26	3.33	7.60	3.11	6.66	3.20	5.22	2.96	
March	-37	3.11	(2.60)	(3.00)	1.79	3.14	3.41	2.51	2.56	4.03	
April	(4.00)	(5.50)	2.26	2.82	3.80	1.22	3.88	1.13	2.12	3.19	
May	2.71	4.68	(2.30)	2.89	.75	1.04	3.14	3.93	.94	2.17	
June	7.41	1.09	3.07	3.02	4.21	4.72	3.04	5.11	4.32	.61	
July	4.93	6.61	3.44	2.93	2.06	5.65	3.20	5.06	7.69	4.92	
August	4.37	1.03	1.63	4.26	2.27	2.94	2.15	5.49	2.09	2.90	
September	3.09	6.72	1.44	4.06	8.58	4.12	2.36	2.11	1.77	5.76	
October	2.45	5.63	3.84	6.02	11.02	4.26	2.45	12.22	3.26	4.93	
November	7.04	3.16	2.11	1.95	6.31	5.28	1.74	7.03	7.89	6.85	
December	2.28	1.61	0.61	7.04	2.60	4.83	3.03	6.14	3.60	5.21	
TOTALS	(49.79)	(45.44)	30.48	(42.46)	53.27	44.46	39.90	62.45	49.06	45.38	

1931. April estimated by surrounding stations.

1932. April estimated by maps.

Indicated June 1934.—Site Overexposed Recommended gauge be set up 50 yards to east of present site and surrounded by turf wall.

1933 Mar + April May estimated by near stations.

1934. 1/8/34 gauge set up 50 yards E. of old site on the flat moor + surrounded by a turf wall according to our instructions.

1936 Due to site record records unreliable - after 24/3/36.

Rejected from Survey as 8° too low Settled 16/8/33 + turf wall round gauge (B.R.)

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

Station No. T.F. 3337

RAINFALL at Buxton (Thorpe Fell) *

41

County of West Riding
 River Basin Ouse Wharfe 10
 Type of Gauge Standard

Observer The Engineer

Bradford W.W.

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

Ref.

File No. 660554/26

Diameter	5"		061	781							
Height	1' 0"			1							
Altitude	1661		41								1649
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(4.80)	5.05	6.64	7.51	5.50	5.52	5.28	9.31	(2.47)	3.70	
February	4.33	2.17	4.34	2.76	6.91	6.10	5.75	5.71	3.73	7.60	
March	4.66	3.11	1.98	.52	2.21	1.37	1.56	2.39	1.91	1.97	
April	2.09	1.84	2.87	4.17	3.88	2.13	4.93	2.73	3.35	4.78	
May	1.99	3.91	3.78	2.84	4.56	2.51	3.52	1.57	3.61	1.72	
June	.84	1.29	4.84	3.97	5.11	3.16	3.95	4.61	.65	3.82	
July	1.86	5.57	2.84	4.64	3.13	5.26	3.85	1.27	3.03	3.98	
August	1.34	5.38	6.96	2.72	4.93	8.67	.32	4.53	3.89	7.01	
September	1.02	3.75	4.15	7.87	4.21	8.24	2.85	3.31	.75	6.37	
October	6.59	5.94	4.10	4.78	7.76	2.00	1.23	2.75	6.45	2.83	
November	3.91	1.76	3.92	9.21	.83	7.85	7.91	2.79	7.00	4.20	
December	3.40	5.52	2.97	4.97	3.49	4.27	4.13	2.76	8.52	3.17	
TOTALS	42.80	45.29	49.29	55.96	52.52	57.08	51.28	41.73	44.36	59.07	

* Jaff wall round gauge (BR.)

40004

1941 Jan. total est'd. from map.

1943 Feb-Nov. part est. Obsr informed

40004

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

Station No. 3237 T.F. 46

51

RAINFALL at Burnall (Thorpe Fell)

County of West Riding-Yorks.

Observer The Engineer,

River Basin Ouse - Wharfe - 10.

Bradford W.H.

Type of Gauge Standard Bradford M/1974

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

1916-50

Ref. 2

" 52.21 " " 15 " " within 1937-57 "

File No.

60254/26

E22802/58

Diameter	5"	061	781								
Height	1'0"			1							1'3"
Altitude	1649'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.01	4.95	2.28	4.17	3.82	6.10	6.64	4.70	4.32	7.84	
February	3.55	1.57	4.21	4.12	3.10	3.29	3.61	10.82	1.35	5.56	
March	3.72	1.97	1.44	3.16	2.26	2.32	5.95	2.66	2.96	2.42	
April	1.65	2.53	3.42	1.47	2.89	1.98	1.60	1.48	4.24	3.37	
May	2.75	1.37	2.55	3.67	4.14	2.59	1.85	6.74	.86	2.35	
June	.98	2.87	3.31	4.94	4.30	2.71	2.07	6.30	2.57	2.15	
July	2.33	2.14	6.68	6.97	1.43	7.39	4.95	5.57	3.11	11.16	
August	4.23	6.47	6.40	9.44	1.34	12.15	8.27	5.41	.65	5.13	
September	2.55	4.62	5.17	7.30	3.67	5.76	7.09	5.81	.42	3.76	
October	.79	4.38	2.35	11.23	3.56	3.06	7.70	4.94	5.15	6.43	
November	8.84	2.56	6.95	7.94	3.11	1.65	2.25	1.82	6.33	9.56	
December	6.84	4.98	3.03	8.68	8.48	5.95	6.13	4.96	9.51	5.92	
TOTALS	41.27	40.41	47.79	73.06	42.10	54.95	57.21	61.21	41.47	65.65	
	m.p. ap.						M	M	M	M	

1951. n.p. low.

1952. n.p. low.

Imp. Mr. O'Kane 25.9.58 : Sort of bank around gauge not very effective, Turf wall would help. Site on exposed alluvium. Turf well rev'd. Fair. Lead or junction of d. tube & funnel (untested) measure 1/2" cat.

8 Turf Wall
Sept. 1958

Position of Station on Ordnance One-Inch map : No. of Map 96 National Grid Reference SE (14) 007597

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

Summary of Earlier Records from 10-year Sheets :

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