

RAINFALL AT *Hawes Junction*

80

Lat. _____

Lon. _____

County of *York, N. R.*

Rain Gauge, by _____

Observer _____

The Meteor. Council.

Cuse. Use 1

Diameter	8										
Height	1.0										
Altitude	1115				1135						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January92	1.68	5.67	10.14	11.09	5.16	10.19	5.57	4.17	3.36	5.795
February	7.93	5.67	7.51	7.81	4.93	7.74	1.61	4.32	1.11	4.04	5.267
March	3.95	9.02	7.84	3.31	4.76	4.70	7.21	3.34	4.30	4.97	5.440 ?
April	3.17	2.22	6.13	3.34	2.26	3.76	4.88	2.95	3.48	3.18	3.537
May	3.02	5.84	3.46	2.54	5.60	4.65	5.59	2.92	3.85	3.90	4.137
June	5.43	5.94	8.12	6.36	.66	3.35	3.41	.34	3.08	1.59	3.828
July	8.05	8.60	0.76	4.23	7.28	3.53	7.92	3.97	8.25	4.02	6.661
August	2.68	8.41	4.19	4.82	1.67	3.25	3.20	3.39	5.73	11.62	4.896
September	5.41	3.35	2.92	6.45	4.47	8.13	8.73	7.14	2.70	3.34	5.264
October	5.00	6.68	4.93	8.40	4.81	6.74	8.30	2.74	4.71	8.86	6.117
November	1.06	9.77	8.92	6.90	3.57	4.53	7.77	5.08	11.55	2.39	6.154
December	8.48	7.53	7.09	6.39	10.11	3.14	8.80	6.44	5.86	4.22	6.806
TOTALS	53.10	74.71	77.54	70.69	61.21	58.68	78.61	48.20	58.79	55.49	63.902 ?

N.B. Values rejected from Survey Map, 1929.

RAINFALL AT *Hawes Junction*

Lat. _____

Lon. _____

County of _____

York N.R.

Rain Gauge, by _____

Observer *The Meteor Council*

Cuse - Use 1

Diameter	8											
Height	1 0											
Altitude	1135											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	10.13	4.62	4.92	3.16	6.68	3.65	4.79	2.13	7.08	10.11		
February	1.15	.94	3.25	8.97	8.86	.93	2.68	5.45	6.01	4.62		
March	5.73	3.70	.92	2.72	5.01	6.43	7.23	10.24	2.14	3.43		
April	2.56	2.92	2.34	.92	3.11	3.91	2.66	4.25	5.84	5.38		
May	3.47	3.15	6.32	2.84	3.71	1.43	.45	2.76	3.25			
June	5.67	2.28	5.37	2.66	3.81	2.82	4.31	5.02	4.38			
July	4.90	6.31	3.64	5.89	4.84	8.73	5.27	2.84	1.86			
August	9.68	14.79	10.26	7.02	6.09	6.54	3.80	10.39	8.76			
September....	6.25	7.92	7.41	5.11	1.05	2.02	8.26	6.55	3.35			
October	4.75	7.14	8.69	6.01	7.05	6.37	5.53	3.38	6.68			
November....	9.33	7.53	3.91	3.65	7.25	8.28	2.08	5.98	4.87			
December94	11.83	2.65	7.51	5.51	5.69	8.31	10.12	8.10			
TOTALS . . .	64.56	73.13	61.68	56.46	62.47	55.80	55.37	69.11	62.32			62.00

* Computed from Oughtershaw Hall & Cragg's

N.R. annual values rejected from Survey Map, 1929.

RAINFALL at Hawes JunctionCounty of W. YorkshireObserver Mr W. H. B. BenceRiver Basin Leane

Rain Gauge, by

Diameter ...			5								
Height			10								
Altitude ...			1120								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			6.22	6.41	6.91	8.78	10.88	8.77	8.40		
February ...			4.96	5.01	8.15	8.65	7.89	1.64	9.78		
March			7.64	10.19	8.14	2.23	5.39	3.83	2.70		
April			1.59	9.65	3.01	3.78	4.49	2.46	1.61		
May			3.95	3.53	4.31	1.36	3.82	3.52	2.66		
June			7.53	4.39	2.17	.65	3.30	4.10	2.26		
July			4.78	1.39	3.65	6.24	4.57	2.22	7.06		
August			8.14	2.68	4.44	4.31	4.29	13.65	5.24		
September ..			4.07	3.85	4.49	1.48	3.22	5.42	13.29		
October ...			6.84	2.93	2.24	1.37	15.48	8.79	7.37		
November ..			5.78	8.51	10.38	2.52	6.66	7.26	4.69		
December...			9.36	5.09	10.26	10.12	5.11	4.30	10.10		
TOTALS ...			70.86	63.63	68.15	51.34	75.10	60.96	75.16	NR	

1912 Thermometer cross 5 ft high 6 yds NNE
 1915 Boundary Wall 4 ft high 12 yds W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Hawes Junction	11 Station		Carsdale	3½ m	SW

RAINFALL at Hawes Junction (Moorland Cottage)County of N. Riding Observer W. Garnett Esq.River Basin 1 - Ouse - UreType of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.
702865/26

Diameter	5"										
Height	1' 6"										
Altitude	1125'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January		15.95	5.31	10.44	4.50	(6.93)	(9.04)	15.89	12.07	(2.01)	
February		20	9.39	5.1	20.23	(3.62)	9.49	5.69	12.63	2.41	
March		4.53	5.06	3.77	3.80	(4.21)	2.33	6.98	6.36	8.40	
April		6.50	2.81	3.86	5.49	1.58	4.47	1.44	3.90	3.30	
May		4.93	3.17	8.69	6.8	(1.52)	2.47	4.64	1.01	1.43	
June		1.13	2.05	4.71	6.17	4.85	4.13	10.14	5.75	1.42	
July		8.83	5.39	4.52	6.93	(9.42)	3.17	7.50	9.27	8.25	
August		1.02	3.10	9.00	3.75	3.41	2.83	6.59	4.23	3.66	
September		9.09	2.38	6.11	12.13	(6.75)	6.47	2.93	3.14	7.10	
October		8.76	5.71	17.36	19.03	(9.04)	2.99	22.67	3.60	7.85	
November		5.11	3.01	2.64	9.54	(8.56)	1.34	13.71	12.78	10.00	
December		6.42	60	11.11	4.22	(10.99)	2.44	6.74	4.72	7.57	
TOTALS		72.47	47.98	82.72	96.47	(70.88)	(52.17)	104.92	79.46	63.40	
		<u>2</u>	<u>D.</u>		<u>D. N.P.</u>		<u>d</u>	<u>d</u>	<u>d</u>	<u>d</u>	

Moorland Cottage is the only building within 3/4 m. of the g. g. is about 30 yds. from Cottage.

1934. h/v. Continues for certain days 450 lig. ^{NOTE} Widdale or Mossdale Moor top
2250 ft. 1 1/2 m. S. 1935. Baugh Fell 2200 ft. 3 miles W. Cotten fell 1750
1 1/2 miles N.

1935. h/v. lig.

1936. Values found by sun. g. g.

1940 Jan - Feb part estimated for snow.

Position of Station on reduced Ordnance Survey Map, } No. of Map 20 Reference No. C.9
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
1932.			Garsdale	1 m.	W.	Lunds	2 m.	N.W.

RAINFALL at Horse Junction (Moorland Cottage) Station No. 3423/5 41
 County of North Riding Observer W. G. G. H. E. deceased
 River Basin 1st Ouse W. A. Mr. H. Deland 1948
 Type of Gauge M. J. 4.00 Glaisher.
 Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 702865/26

Diameter	5"		047	060							
Height	1' 6"			1							
Altitude	1125'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(1.72)	6.22	10.65	17.09	6.69	8.85	7.44	11.60	6.27	(5.95)	
February	6.26	2.45	8.78	5.48	13.79	8.43	(4.00)	7.12	8.53	(10.08)	
March	5.20	3.85	4.49	1.53	5.76	2.78	6.30	7.41	2.28	3.98	
April	3.93	4.97	7.45	5.58	3.52	2.67	8.87	4.48	10.33	5.71	
May	3.15	5.14	6.42	5.06	5.84	1.95	2.01	1.79	3.47	3.06	
June	2.22	.89	6.48	7.62	7.89	5.36	4.82	8.82	1.17	4.45	
July	2.04	7.37	5.85	6.05	3.83	7.99	5.82	2.64	2.70	5.80	
August	9.17	5.81	14.62	6.20	4.39	11.58	.13	7.44	4.25	11.14	
September	1.12	7.87	8.74	11.48	7.65	10.89	5.78	8.33	2.44	12.89	
October	10.88	10.67	9.63	9.24	9.98	1.46	.87	6.11	10.54	6.06	
November	5.87	2.29	6.18	14.88	82	13.19	14.44	5.76	8.62	7.96	
December	8.05	10.52	6.43	9.55	3.81	8.86	3.93	7.91	13.56	2.68	
TOTALS	59.61 d	68.05 d	95.62 d	99.76 d	73.97 d	84.01 d	64.41 d	74.41 d	75.26 d	79.76 d	

1941 Jan. apportioned for snow

Widdale 2200' high 2 mls. S. Baugh Fell 2000' high 3 mls. S.W.

1947 Feb. not'd for snow. Widdale 2200' high 2 mls. S. Cotton Tree 1900' high 1 ml. N. 3 m. 980' high 1 1/2 m. W.

1950 Aug. extreme readings are due to high winds

1950 Jan. & Feb. apportioned.

40004

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.
1941			Earsdale	1 ml.	W.	Dunelm	1 1/4 mls.	N.W.
1947			"	1 1/2 m	W.	"	1 1/2 m	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3423/5

RAINFALL at

Hawes Junction (Howland Cottage)

51

County of North Riding - Yorks.

Observer Mr. W. Ireland

River Basin Ouse - Wre - 1

Type of Gauge Glaisher

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

" " 72-07 " " 8 " 1950-57

" " 1916-50

Ref.

File No. 702862/26

Diameter ...	5"			047	060							
Height ...	1'6"				1							
Altitude ...	1125'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	7.28	5.03	2.74	6.45	5.26	4.77	10.93	6.46	4.39	7.68		
February ...	5.53	1.25	4.25	3.48	2.97	2.28	5.38	9.22	2.10	7.82		
March ...	6.25	4.68	1.98	4.00	1.95	3.55	6.03	1.62	4.29	2.14		
April ...	4.85	2.93	3.96	2.17	2.66	2.10	1.12	2.03	4.90	5.57		
May ...	2.73	3.40	2.42	5.01	6.25	3.70	3.60	6.76	4.05	2.20		
June ...	2.57	4.63	3.40	5.21	3.81	3.52	2.01	4.49	4.62	3.54		
July ...	3.08	2.89	8.67	8.15	2.35	5.44	6.90	6.03	4.41	10.60		
August ...	6.17	7.29	8.05	7.15	1.57	11.13	9.38	7.69	1.23	3.14		
September ...	5.94	5.90	8.41	11.40	3.89	4.34	6.76	6.96	1.24	4.36		
October ...	2.33	6.72	2.92	15.95	4.74	5.05	9.84	5.97	7.29	5.16		
November ...	12.65	2.79	9.30	12.06	3.03	2.66	2.18	1.45	9.14	12.39		
December ...	16.36	5.31	3.35	13.02	11.89	8.29	7.38	5.10	12.55	8.70		
TOTALS ...	75.74	52.82	59.45	94.05	50.37	56.83	71.51	63.78	60.21	73.30		
	d	d	D	D	d	d	d	d	d	d		

1254

1956. July a little less, but accept.

122.84

94

1956 Widdale Fell 2150 at 2 miles S, Catter Taps 2000 at 1 mile N, Baugh Fell 2200 at 3 m N.

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference

34/807923

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
			Garsdale	1 1/2 mi. W.	Lund	3 mi. N.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C 1932 7035 Vant 033-30, 36	V. Vant D 46-48	