

RAINFALL at Lunedale (Keckham)

County of Yorks. N.R. Observer G. R. Collinson CE

River Basin Yeo 6. Tees Valley Water Bd.

Rain Gauge, by _____

Diameter ...					5						
Height					10						
Altitude ...					1660						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January					5.20	6.60	8.40	7.10	12.30	2.80	9.50
February					2.30	7.80	5.60	3.60	7.40	1.20	5.90
March					2.50	4.10	4.60	6.50	4.90	.60	3.50
April					3.10	6.70	3.00	6.00	1.90	3.30	4.60
May					6.20	5.10	5.10	4.00	2.20	3.10	3.20
June					6.60	4.40	4.20	6.10	8.90	4.10	3.70
July					7.50	2.00	7.00	6.20	6.70	6.20	7.20
August					6.40	6.00	5.20	11.40	9.60	7.20	8.20
September...					7.60	6.30	6.10	9.00	3.50	4.10	5.40
October.....					8.10	6.00	4.50	7.30	7.80	8.30	9.10
November...					4.00	3.60	7.50	7.90	10.60	8.70	7.50
December...					9.00	7.70	3.40	2.50	4.20	9.10	4.30
TOTALS...					68.50	62.80	64.60	77.60	90.00	58.70	68.10
					M	M	M	M	M	M	M

390ft. above. Details (Dept. file) 9.0.23. Site is 100yds. above confluence of Keckham Beck
Long Grain

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

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

RAINFALL at Lunedale (Keekham)

County of North Riding
River Basin Tees - 6

Observer G. R. Collinson, Esq., C.E.

B.Sc.,

T. S. R. Winkles, Esq., Ch. (1941)

Type of Gauge

Annual Average 59.5 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. S
670379/26

Diameter	5.										
Height	1.0.										
Altitude	1660.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total
January	6.20	9.80	3.70	7.20	3.70	7.80	6.50	8.00	10.30	(3.20)	65.90
February	8.30	1.80	7.20	5.50	10.80	4.25	(8.20)	3.00	6.90	(3.80)	54.25
March	2.90	6.90	3.20	5.90	4.00	3.75	(4.70)	5.40	7.10	7.80	50.65
April	6.30	6.10	4.70	5.90	6.10	2.20	6.30	1.90	4.10	4.20	47.80
May	5.10	4.70	3.30	4.70	1.20	2.50	4.50	4.10	1.60	2.60	34.80
June	8.20	2.20	5.50	3.40	5.00	5.30	3.00	6.10	5.50	1.80	46.00
July	9.20	7.20	5.80	4.50	3.30	6.30	4.10	6.90	9.80	5.80	62.90
August	5.00	1.90	3.20	6.20	2.50	4.40	2.20	4.70	3.70	5.20	39.00
September	3.30	9.10	3.30	4.70	8.90	10.10	5.00	3.40	2.00	6.90	56.70
October	4.90	9.10	8.10	10.50	12.60	6.60	2.90	11.10	5.90	6.10	71.80
November	8.20	5.30	3.90	4.10	7.30	7.90	2.00	8.00	7.90	7.70	62.30
December	3.90	6.30	1.20	8.20	4.50	8.10	3.50	7.80	2.90	8.00	57.40
TOTALS	71.50	68.40	53.10	65.80	69.90	69.20	52.90	70.40	67.70	(63.10)	652.00
	M	M	M	M	M	M	M	M	M	M	

1937 Feb. & Mar. estimated

1940 Jan. & Feb. adjusted by ref to nearby sites.

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. 3499

RAINFALL at Lumsdale (Keeleham) ✓

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County of North Ridings Observer T.S.R. Winter Esq. C.E.

River Basin Tees - 6

Type of Gauge.

Annual Average 52.5 in. based on 3 years obs. un-weighted. Period of average 1881-1915 Ref. S.P.B. 447 (1941)
62.1 17 E10079/09

File No. 226952/33 670379/24

Diameter	5"	027	462								
Height	1' 0"			1					1' 45"		
Altitude	1660'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means-Totals
January	(4.20)	(5.00)	7.00	8.90	(8.00)	5.90	(6.00)	13.70	4.30	4.40	68.40
February	(6.20)	(2.80)	5.10	4.00	(7.00)	6.30	(4.00)	4.90	5.60	8.60	54.40
March	(6.00)	(4.10)	3.70	2.10	3.20	3.90	(8.00)	4.40	3.00	4.40	42.80
April	5.00	(3.40)	4.10	2.90	6.00	3.90	(7.00)	3.50	6.50	5.80	47.10
May	4.40	3.60	6.20	3.70	5.50	2.40	2.10	3.00	2.80	5.00	38.70
June	1.90	1.60	7.10	5.10	6.10	4.50	6.00	9.20	1.30	4.30	47.10
July	1.70	6.50	4.10	5.90	4.00	6.90	7.00	2.60	4.10	5.80	48.60
August	8.00	6.10	11.20	3.50	5.00	8.20	6.60	9.40	3.70	9.80	64.20
September	1.70	6.00	6.00	10.10	4.90	10.60	7.80	7.90	3.50	9.90	68.40
October	7.60	6.90	(5.70)	5.90	8.20	1.30	2.30	5.80	7.10	7.40	58.20
November	5.00	2.10	4.20	11.50	2.70	10.00	9.70	4.80	10.20	9.10	69.30
December	3.50	6.50	3.80	6.90	4.70	5.90	4.90	4.60	10.20	4.80	55.80
TOTALS	(55.20)	(54.60)	68.20	70.50	65.30	68.80	65.40	73.80	62.30	77.90	663.00

1941. Jan - March estd.

600 74004

1942 Jan - April est'd.

1943 Oct estd from map.

1945 Jan & Feb approximated

1947. Jan - April estd.

70004 74004 00044

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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION

Station No. 3499 TF 62

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RAINFALL at Lunnedale (Keelham)

County of North Riding - Yorks.

Observer T. J. R. Winter Esq. C.E.

River Basin Tees - 6

Tees Valley & Cleveland Water Bd.

Type of Gauge.

Annual Average 62.1 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref P.B. 4477

" " 67.50 " " 31 " " Within 1924-56. " " " File No. E 10079/149

Diameter ...	5"		027	462								
Height ...	1'0"											
Altitude ...	1660'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	6.60	(6.30)	2.80	6.10	3.40	5.80	9.00	5.20	(4.70)	7.50	57.40	
February ...	6.00	3.00	3.20	(3.20)	3.00	3.40	5.70	(9.80)	2.30	5.10	44.70	
March ...	6.50	4.20	1.10	(4.90)	3.50	3.00	4.70	(3.90)	3.50	3.30	38.60	
April ...	5.20	4.50	5.50	1.10	3.80	1.30	1.70	3.90	5.70	3.70	36.40	
May ...	3.90	(2.90)	3.60	5.50	6.00	3.00	3.80	8.20	1.70	1.80	41.40	
June ...	2.10	(4.40)	3.60	6.50	4.80	3.00	3.50	5.00	3.20	2.80	38.90	
July ...	3.10	4.90	9.20	5.60	3.10	6.70	9.00	6.30	5.70	7.10	60.70	
August ...	5.50	10.08	8.10	9.00	1.40	12.20	9.50	7.20	1.30	4.10	68.38	
September ...	4.70	6.40	4.10	9.50	4.00	6.00	8.00	(5.75)	1.50	(4.80)	54.75	
October ...	2.20	7.20	2.70	10.50	4.00	5.50	7.50	5.20	4.50	6.80	56.10	
November ...	10.50	4.60	7.20	9.50	2.80	2.50	3.40	1.70	6.50	7.60	56.30	
December ...	11.90	5.50	3.20	9.60	10.50	6.80	5.70	4.50	9.00	7.20	73.90	
TOTALS ...	68.20	63.98		1.00 ✓	54.30	84.54	50.30	59.20	71.50	66.65	49.60	62.80
	M	M	M						M	M		627.53

1955 Feb-Mar. part est. M.O. 36.

1956 Sept-Oct. approx.

1958 Feb-Mar (approx) Sept - M. 36.

1959 - Jan 84.

1960 up low

430004

Sept 1960. CSL: 2.66:

30104 40004 00104

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Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NY(35)832222

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			N.Y.R is correction not change of site	Y. 10.00 31/42		

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 1924	V	V	V	