

RAINFALL AT Bushhope, Grassmees

Lat.

Lon.

County of Durham

Rain Gauge, by

Observer H. Sowerby Wallis Esq.
Durham County W. Board
per Kenneth P. Hawley

Year - 2 -

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height	1 3										
Altitude ..	1850										
Year											
January ..		3.77									
February ..		1.75									
March		4.13									
April.....		3.00									
May		1.27									
June		3.30									
July		1.95									
August		3.98									
September..		3.45									
October....		4.45									
November ..	6.23	8.57									
December ..	9.90	4.88									
TOTALS ..		444.50	49.75	93.20	51.40	48.75	59.30	60.05	53.20	55.25	

Annual totals, 1902-1921 recd. 19.2.23 (file No. 408255/23). End'd ~~21~~ '23.

RAINFALL at Burnhope, Grass Mere.County of DurhamObserver Durham County Water BoardRiver Basin Wear 2per Kenneth P. Hawksley.

Rain Gauge, by _____

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height / 3											
Altitude..... / 850											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January.....											
February											
March											
April											
May											
June											
July											
August											
September...											
October											
November...											
December ...											
TOTALS ...	61.00	65.68	62.40	59.20	67.35	49.55	82.60	73.75	61.85	44.80	

Annual totals, 1902-1921, read 19.2.23 (file No. 408254/23) End N. 23

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Burnhope, Grass Mires

County of Durham

Observer Durham County Water Board,

River Basin Wear 2

per Kenneth P. Hawksley,

per H. Robinson (Eng.).

Cee Bondford Rain Gauge, by Casella 8337
sound deflected but no tube IX.26

Diameter ...	5										MEANS.
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...				5.65	5.85	8.00	6.15	5.85	10.80	1.25	7.70
February ...				8.70	1.50	7.30	5.40	2.70	4.60	.98	1.25
March				2.95	1.50	2.30	2.60	4.85	(6.10)	.57	3.10
April.....				3.15	2.70	8.65	2.80	14.45	1.00	1.75	2.90
May				3.20	7.35	5.25	3.15	2.85	1.70	2.20	2.20
June				1.65	2.20	00	3.75	4.65	7.10	2.10	2.45
July				3.60	6.70	1.20	5.60	5.15	3.05	4.95	6.35
August				9.60	4.10	4.30	4.55	8.20	9.10	5.00	9.05
September...				5.00	7.55	4.80	5.50	8.90	2.20	1.90	4.90
October.....				9.85	5.39	7.55	4.40	6.20	8.85	6.70	7.85
November...				7.00	5.15	1.90	8.65	5.95	9.30	9.30	6.80
December...				4.40	9.65	6.90	1.55	3.70	(3.70)	9.75	4.65
TOTALS...	61.20	55.38	49.20	64.75	59.55	55.25	54.10	63.45	67.60	46.45	58.20.

Annual total, 1920-1921 read. 19.2.28 (file No. 4408250723). End. vi. 23.

Inspected sp. 10.IX.26. S. on moorland in valley running W + E ground slopes down gently at first to Burnhope Burn then up again. + also down very slightly to W. + up slightly to E. Gauge more exposed than the other + turf round fence essential. ^{with} all three gauges ready some rod + glass reservoir - the reservoir holds 2 inches + rods covered.

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

RAINFALL at Burnhope (Grass Meres)

County of Durham

Observer H. Robinson, Esq., C.E.

River Basin Wear - 2.

J. A. Redmell Esq., C.E. (1938)

Type of Gauge.

.....

Annual Average 59.1 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref 5.

660612/26

Position of Station on reduced Ordnance Survey Map, } No. of Map.....
1 mile to 1 inch Series }

Reference No.

Station No. T.F. 3535

RAINFALL at Burnhope (Grass Meads)

41

County of Durham

Observer J. A. Rodwell Esq. C.E.

River Basin Wear 2

Type of Gauge

Annual Average 59.1 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660612/26

Diameter	5"		021	204							
Height	1' 3"			1							
Altitude	1850			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.57 (5.30)	10.30	6.80	7.70	6.80	(5.50)	10.60	3.70	4.20	64.47	
February	(8.05)	2.50	5.90	2.60	6.30	4.80	(5.50)	5.30	5.80	7.90	54.65
March	5.50	4.50	3.00	1.30	5.00	3.00	(8.50)	3.70 (1.70)	2.86	39.06	
April	2.80	3.30	4.50	2.50	3.00	2.50	10.00	4.30	6.70	4.40	44.00
May	2.90	3.90	5.00	2.70	4.90	3.00	2.00	2.70	2.40	3.80	33.30
June	1.00	1.50	2.90	5.30	5.50	3.50	5.20	2.60	.70	3.80	37.00
July	.90	4.70	3.20	3.10	2.70	5.10	2.90	2.00	3.60	5.50	33.70
August	6.40	5.40	7.90	4.30	4.90	6.40	.00	8.20 (2.40)	8.40	54.80	
September	1.00	6.10	5.70	8.30	4.90	8.10	5.00	6.80 (2.80)	8.90	57.60	
October	7.20	6.50	5.50	6.80	8.10	1.90	(1.50)	3.80	7.60	5.50	54.40
November	4.10	2.10	4.60	12.00	1.50	10.80	7.50	3.70	12.80	7.40	66.50
December	4.60	7.90	3.70	5.20	3.50	6.00	4.60	5.10	9.70 (3.50)	53.80	
TOTALS	48.02	53.70	62.20	60.90	58.00	61.90	(58.20)	63.80	59.90	66.16	592.78
M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	10

1941 Feb cond for snow

1942 Jan est'd. for snow.

1947 Jan-Feb March Oct. est.

20004 40004

70004

10304 00014

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.

Station No. 3535

51

RAINFALL at Burnhope (Graes Mires)County of DurhamRiver Basin Near - 2Type of Gauge Octo-pent

Annual Average 59.1 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S.
 " " 59.71 " " 40 " Within 1916-56. " " " File No. 66061266 5.
E22354/38

Diameter ...	5'	021	204								
Height ...	1' 3"		1		1' 0"						
Altitude ...	1850'		51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(4.20)	(8.75)	1.90	5.50	4.90	5.70	8.40	6.50	6.00	9.25	61.10
February	(6.60)	(2.10)	1.90	4.00	4.00	(4.60)	5.00	8.50	1.50	8.35	46.55
March	(5.50)	3.00	1.30	4.20	3.00	(4.25)	4.50	3.60	3.00	4.00	36.25
April	(4.80)	3.90	1.50	1.00	3.00	1.75	.50	2.60	6.00	5.50	33.45
May	3.20	2.10	3.80	5.50	5.00	1.75	2.50	5.00	1.00	2.50	32.35
June	2.10	2.70	3.50	4.20	3.25	3.00	1.75	4.50	3.50	2.54	31.04
July	3.30	4.00	5.10	2.90	2.80	5.00	6.25	4.75	4.70	6.50	45.30
August	5.70	7.50	6.00	8.20	2.00	10.00	8.50	4.50	1.08	3.50	56.98
September	6.10	4.60	6.70	6.30	3.00	5.70	6.00	5.50	1.65	3.75	49.30
October	1.20	6.50	3.60	11.00	3.30	3.50	5.50	5.25	6.10	11.00	56.95
November	13.40	3.90	7.20	11.20	3.00	2.00	3.75	1.50	9.25	9.50	64.70
December	10.30	(5.70)	2.60	9.40	9.00	8.00	6.50	7.25	12.00	(6.50)	77.25
TOTALS ...	(66.40)	54.75	48.10	73.40	46.25	55.25	59.15	59.25	55.78	72.89	591.22
	M	M							M	M	10

1952 Jan Feb Dec east M03b est 1' 0" incl. snow.
 1953 Dec. Gauge replaced by new Octo-pent 27".
 1955 Jan - Mar part est. M.0.3b: New Oct. gauge installed 2.5.55. 1956. Feb part incl. Snow, March app'd. like Feb.
 1957 New Turf-walls rebuilt and fences repaired.

1958 Eng. says gauge at 1' 0" incl. snow.
 July III 1959. B.O.K. g. round. Site over-surface sun-n-e NE but good turf-wall
 1960. Dec. M03b est 30004 00014

Position of Station on Ordnance One-Inch map : No. of Map 84 National Grid Reference 351825372

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
C1901	✓	✓	✓	✓	