

RAINFALL AT Busklope Fodge Gill Mine

Lat. Lon. County of Durham

Rain Gauge, by

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

Year - 2.

Diameter ..											
Height	1.3										
Altitude ..	1950										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..		3.65									
February ..		1.85									
March		4.12									
April		2.78									
May		1.50									
June		3.40									
July		2.07									
August		3.78									
September..		3.45									
October....		4.45									
November ..	6.10	(8.47)									
December ..	9.88	4.30									
TOTALS ..	43.82	50.45	91.20	52.35	48.80	60.85	58.80	57.15	58.70		

Annual totals, 1902-1921 recd 19.2.23 (file No. 408253/23). Endd 4L 23.

RAINFALL at Burnhope, Lodge Gill Mine.

County of Durham

Observer Durham County Water Board
per Kenneth P. Haworth.

River Basin Wear 2

Rain Gauge, by _____

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height / 3											
Altitude..... 1950											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January.....											
February ...											
March											
April											
May											
June											
July											
August											
September...											
October.....											
November...											
December ...											
TOTALS ...	60.40	61.94	66.00	61.70	68.85	47.25	80.30	73.30	64.95	48.75	

Annual totals, 1902-1921 recd. 19.2.22 (file No. 40820723). Endd. VI-23

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

RAINFALL at Burnhope Lodge Gill mine

County of Durham

Observer Durham County Water Board

River Basin Wear 2

per Kenneth T. Hawley

H. Robinson

Bradford Rain Gauge, by Casella 8338.
sound record IX. 16

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.
Year												METRES.
January ...		6.90	5.65	3.65	8.10	6.90	13.20	2.00				9.45
February ...		9.30	1.90	8.05	6.90	3.05	5.20	1.25				2.10
March		2.90	1.45	2.45	3.30	5.60	16.60	.65				3.60
April.....		3.40	2.90	6.05	3.30	5.20	1.30	2.05				3.30
May		3.70	7.70	6.35	3.60	3.00	1.85	1.55				2.45
June		2.00	2.95	35	5.10	6.70	8.90	2.90				2.55
July		3.75	7.60	2.25	7.85	5.60	3.80	6.10				6.95
August		10.80	5.55	4.50	5.40	8.95	10.35	6.25				9.20
September...		5.10	9.05	5.40	6.20	9.80	3.10	2.50				5.90
October.....		10.50	5.70	8.55	5.05	7.20	8.40	7.75				9.20
November...		7.95	5.90	1.80	9.10	6.80	10.50	11.05				7.75
December...		4.85	10.80	6.25	1.80	3.55	4.25	11.60				5.95
TOTALS...	68.65	63.05	54.50	71.05	67.05	62.65	65.70	71.35	77.65	55.75	67.40	
					m	m	m	m	m	m	m	

Annual total, 1902-1921 recd 19.2.23 (file No. 400255/23). End 31.12.23
 Inspected 9.6. IX. 26. On moors to S. of Scrailt Burn, good shelter W
 + considerable slope up from gauge to S; considerable slope down to
 Scrailt Burn but hills beyond, moor rather flat to east. Exposure fairly
 good but would be better with turf wall or outside offence to height
 of mouth of gauges.

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

Station No. T.F. 3536

RAINFALL at Burnhope (Lodgegill Mine)

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County of Durham

Observer G. A. Rodwell Esq. C.E.

River Basin Wear - 2

Type of Gauge

Annual Average 61.4 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S.A.W.B.

File No. 660612/26

Diameter	5"		021	164							
Height	1' 3"			1							
Altitude	1950			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.89	(5.60)	10.70	9.20	7.80	7.00	(6.00)	10.80	3.90	4.40	
February	(8.70)	2.70	6.45	2.80	6.60	5.00	(5.50)	5.50	6.10	7.90	
March	5.75	4.66	3.30	1.45	5.30	3.20	(8.00)	3.90	(1.80)	3.16	
April	3.10	3.30	4.70	2.65	3.20	2.70	10.30	4.60	6.80	4.70	
May	3.35	4.30	5.40	3.05	5.10	3.20	2.20	2.60	2.50	3.40	
June	.90	1.70	3.10	5.45	5.70	3.80	5.40	7.80	1.80	3.50	
July	1.10	5.10	3.50	3.40	3.00	5.40	3.00	2.20	3.80	5.90	
August	6.85	6.10	8.10	4.55	5.10	6.80	.00	8.50	(2.50)	7.90	
September	1.15	6.50	6.00	8.60	5.10	8.50	5.10	7.10	(3.00)	9.50	
October	7.65	7.20	5.85	7.30	8.30	2.10	1.80	4.10	7.90	5.60	
November	4.40	2.50	4.80	12.40	1.60	11.20	7.60	4.10	13.20	7.90	
December	4.90	8.45	3.70	5.30	3.70	6.30	4.90	5.20	9.80	(3.20)	
TOTALS	51.74	58.30	65.60	66.15	60.50	65.20	(59.80)	66.40	(2.10)	67.06	

1941 Feb. total partly add.

1942 Jan. add'd. for snow.

1947 Jan. Feb. March add.

20004 20004

107 108 99 106

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

14/10/60.

T.F. 48

Station No. 3536

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RAINFALL at Burnhope (Lodgegill Mine)

County of Durham

Observer J. C. R. Roddell, Esq., C.E.,
1/1/54 A. C. WINDSMITH, Esq., C.E.

River Basin Wear - 2

Type of Gauge Octapent 27"

Annual Average 61.4 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S.P.W.S. 5-87
65.76 " " 39 " Within 1916-56. 1916-1950 " " File No. E 23584/26

Diameter ...	5"	021	164								
Height ...	1' 3"			1					1' 0"		
Altitude ...	1950			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(4.10)	(9.10)	2.00	5.80	4.90	6.80	11.50	6.50	9.25		
February	(6.90)	(2.20)	1.60	4.20	4.20 (5.00)	6.00	8.75	6.75			
March	(5.10)	3.20	1.10	4.30	3.20 (5.30)	5.25	4.00	4.00			
April	(4.80)	3.20	4.30	1.20	3.30	2.00	1.00	2.00	5.00		
May	3.20	2.20	7.10	6.00	6.50	3.00	2.75	5.00	2.75		
June	2.40	2.80	4.60	4.70	4.00	4.00	2.00	3.75	2.75		
July	3.20	4.00	6.10	4.50	3.10	5.50	6.75	5.50	7.00		
August	6.10	7.40	6.10	8.50	2.00	12.50	9.00	5.00	3.50		
September	8.10	6.60	7.30	7.10	4.00	6.50	5.50	5.50	4.00		
October	1.30	7.70	4.00	12.00	4.00	4.50	6.00	6.50	10.50		
November	12.60	4.70	6.20	11.50	3.10	2.70	4.10	1.50	10.75		
December	(10.50)	(5.80)	2.60	12.80	11.00	11.00	7.00	7.00	7.00		
TOTALS ...	(65.90)	58.90	53.00	82.60	53.30	61.80	66.85	61.00	72.25		
	NP	M		1 n.p.	1 n.p.	1 n.p.	1 n.p.	1 n.p.	1 n.p.		

1951 N.P. too much erosion after

1952 Jan Feb Dec eat due to snow M103 b. Start in Dec 1954. Note in 1950 that g installed on 2' 5" 25'

1954 New gauge replaced by new Octapent 27"

1955 n.p. too high. New Oct gauge 2.5.55

June 1957 Check at 6' 6" set up 40° west of present site

End of July 1957 new eng. setup. (and 326A) 1956. Feb. point at. Snow. Mel. offd 6/12 Feb.

1958 Eng eng. gauge at 1 foot always. 1958 1/2 check

Since an eng. was setting at a nearby site here in August 1957 this record may appear erroneous. New gauge was installed at both sites; it seems likely that a leak had developed (about 1953) in the gauge at

1960 1/2 check. See 8.10. 1/2 check

Position of Station on Ordnance One-Inch map : No. of Map 84 National Grid Reference 35180583758

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
19014	60014					

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ A	✓ A 1920-22, -23-24	✓ 1921-22, -23-24	✓ 1921-22, -23-24	

Station No. *T.F.U.B.*

3536/1

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RAINFALL at *§ Bumble (Lodgehill Mine) c.g.*County of *Durham*Observer *A.C. Wildsmith E.E.*River Basin *Wear-2*Type of Gauge *Octapent*Annual Average ... in. based on ... years obs. un-weighted. Period of average ... Ref. ...
File No. *666681/26 E.225514/58*

Diameter ...			021	163						5"	
Height ...					1					1'0"	
Altitude ...					51					1956'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...							700	6.50	6.00	9.25	
February ...								9.50	1.75	6.25	
March ...								4.00	3.00	4.00	
April ...								2.00	6.50	5.00	
May ...								5.00	1.00	2.75	
June ...								3.75	3.50	2.75	
July ...							700	5.50	5.42	7.00	
August ...								9.00	5.00	1.10	3.50
September ...								5.75	5.50	2.00	4.00
October ...								6.25	7.00	6.52	10.50
November ...								4.00	1.50	9.50	10.25
December ...								7.00	7.00	12.05	(7.00)
TOTALS ...								Imprec.	62.25	58.34	72.25
								M	M		

*1957. g. cited to 40 yrs west of 3536.**00014**1957 np inc.
July 1957 8.0K. g. recd. Site over-enbossed W-NE-E but good turf-wall.**1958 print**1960 Dec 1st M036**§ Turf-wall.*Position of Station on Ordnance One-Inch map : No. of Map *84* National Grid Reference *NY 802325*

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