

RAINFALL AT *Bunslope Lodge Gill Mine*

Lat.

Lon.

County of *Durham*

Rain Gauge, by

Observer *H. Lowery Wallis Esq.*

Wear - 2.

*Durham County W. Board
per Kenneth B. Hawley*

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 read 19.223 (file No. 408253/23). End XI '23 ✓

RAINFALL at Burnhope, Lodge Gill Mine.County of DurhamObserver Durham County Water Board
per Kenneth P. Haskley.River Basin Wear 2

Rain Gauge, by _____

Diameter ...												
Height / 3												
Altitude..... 1950												
Year 1910	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
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 incl. 19.2.22 (file No 408250/23). Entd. VI. '23

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

RAINFALL at Burnhope, Lodge Gill MineCounty of DurhamObserver Durham County Water BoardRiver Basin Wear 2per Kenneth H. Haskely
H. RobinsonBradford Rain Gauge, by Casella 8338.
Sound record 18.26

Diameter ...	5											
Height	1	3										
Altitude ...	1950											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Means
January ...				6.80	5.65	8.65	8.10	6.90	13.20	2.00	9.45	
February ...				9.30	1.90	8.05	6.90	3.05	5.20	1.05	2.10	
March				2.90	1.45	2.45	3.30	5.60	(6.60)	.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	3.3	5.10	5.70	8.90	2.90	2.55	
July				3.75	7.60	2.25	7.85	5.60	3.80	6.10	5.95	
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	9.20	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	5.80	1.80	9.10	6.80	10.50	11.05	7.75	
December...				4.85	10.80	8.25	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	77.45	55.75	67.40	
						M	M	M	M	M	M	

Annual totals, 1902-1921, med. 19.225 (file No. 40253/23). See VI. 23
 Inspected 9.5. 6.11.26. On moors to S. of Scrath Burn, good chalk to W
 formidable slope up from gauge to S; considerable slope down to
 Scrath Burn but hills beyond, more rather flat to east. Exposure fairly
 good but would be better with turf wall on outside of fence to height
 of mouth of gauges.

Position of Station on reduced Ordnance Survey } No. of Map

Reference No.

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

Station No. T.F. 3536RAINFALL at Burnhope (Lodgegate Mine)

41

County of DurhamObserver G. A. Rodwell Esq. C.E.River Basin Wear - 2

Type of Gauge.....

Annual Average 41.4 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref S. 11. 11. 11File No. 662612/25

Diameter	5"		021	164								
Height	1' 3"			1								
Altitude	1950			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	389 (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	4.65	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 M	58.30 M	65.60 M	66.15 M	60.50 M	65.20 M	(59.80) M	66.40 M	(62.40) M	67.06 M		

1941. Feb. total partly added.

1942 Jan. cat'd for snow.

1947 Jan. Feb. March cat'd.

20004 20004

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.

3536

T.F. 48

RAINFALL at

Burnhope (Lodgegill Mine)

51

County of

Durham

Observer

R. O. R. Roswell, Esq. C.E.

River Basin

Ure-2

1/1/54

A. C. WILSON, Esq. C.E.

Type of Gauge

Octapet 27"

Annual Average 61.4 in. based on 26 years obs. un-weighted.

Period of average 1881-1915

Ref. S. & P. W. S. 247

" " 65.76 " " 39 " " Within 1916-56 " " "

File No.

64007/26

Diameter ...	5"		021	164								
Height ...	1' 3"			1				1' 0"				
Altitude ...	1953			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 ...	(5.70)	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 ...	5.10	6.60	7.30	7.10	4.00	6.50	5.50	5.60	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			
	N.P.	M			N.P.	N.P.		10.00	10.00			

1951 N.P. Too much estimation.

30004

1952 Jan Feb Dec est due to snow M.O.S.

1954 Dec gauge replaced by new Octapet 27".

1955 N.P. Too high. New Oct. gauge 2.5.55

June 1957 Check g. to be set up 40" west of present site

End of July 1957 new c.g. set up. (Encl 326A)

1958 Eng. g. at 1 foot always. 1958 10.00

Since an railway was set up at a nearby site this record has appeared remarkable. New gages were installed at both sites. It seems likely that a leak had developed (about 1953) in the gauge at the present site.

Position of Station on Ordnance One-Inch map:

No. of Map 84

National Grid Reference

357800 3758

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge.	Parish Church.	Distance Direction from gauge.
74014	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	A	A	A	

Station No.

T.F. 13
3536/1RAINFALL at 6 Burnhope (Hodgehill mine) c.g.

51

County of Durham

Observer

A.C. Wildsmith CE.River Basin Wear-2Type of Gauge Octapend

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

File No. 6606/26 E 22554/58

Diameter ...			021	163					5"		
Height ...				1					1'0"		
Altitude ...				51					1956'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...							7.00	6.50	6.00	9.25	
February ...								4.50	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 ...							7.00	5.50	5.42	7.00	
August ...							9.00	5.00	1.10	3.50	
September ...							5.75	6.50	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 ...							mpied	62.25	58.34	72.25	

1957 g. cited 40 yds west of 3536.

00014

1957 np inc.

just W 1957 BOK. g. record. Site was entered W-NE-E but good turf-wall.

1958 mit

1960 Dec est M036

6 Turf-wall.

Position of Station on Ordnance One-Inch map :

No. of Map

94

National Grid Reference

NY 802375

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

Summary of Earlier Records from 10-year Sheets :

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