

RAINFALL at Wellhope, Wellheads Bush

County of Durham

Observer Durham County W. Board

River Basin Wear 2

per Kenneth P. Hawley.

Rain Gauge, by _____

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height 1 ' 3											
Altitude..... 1690											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January.....											
February ...											
March											
April											
May											
June											
July											
August											
September...											
October.....											
November...											
December ...											
TOTALS ... 47.50 51.98 57.25 53.90 60.05 41.90 68.35 68.20 56.50 44.45											

Annual Totals, 1902-1921, recd. 19.2.23 (File No. 4018257/23) End. 24.2.23

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

RAINFALL at Wellhope, Wellheads & Hush:CowhillCowhillCounty of DurhamObserver Durham County W. BoardRiver Basin Wear 2per Kenneth P. Hawesly.H. RobinsonBradford Rain Gauge, by Casella
tube nearly off scale in outer case } 18.26. 8339

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
Height	1 - 3											
Altitude ...	1690					1750						
Year		1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...						4.90	6.45	6.60	4.95	11.00	.90	7.60
February ...						2.00	7.55	5.40	2.35	(4.60)	.88	.85
March						1.20	2.35	2.40	1.85	(6.15)	.27	2.20
April.....						2.40	5.55	3.25	4.90	1.00	1.55	2.65
May						6.50	5.25	3.30	3.05	1.65	2.25	1.85
June						1.15	.15	4.25	4.70	7.60	2.10	2.05
July						5.20	1.45	5.50	4.55	2.65	4.60	5.10
August						3.80	4.00	4.55	9.50	8.60	4.65	8.80
September...						7.05	6.20	5.25	9.60	2.05	1.95	5.05
October.....						5.25	6.85	4.30	6.35	8.65	6.30	8.05
November...						4.65	1.80	11.40	5.60	8.45	9.40	6.85
December...						9.50	9.60	1.75	2.30	(3.75)	9.75	4.25
TOTALS...	59.15	47.48	45.90			53.60	57.20	59.95	62.70	65.95	44.60	54.80
						M	M	M	M	M	M	M

Annual totals recd 19.2.23, for 1902-21 (file 40825723). End. 30.12.23
Inspected 3.10.X.26. On moors in large hollow. Slopes down —
gradually at first to Wellhope Burn, good shelter to S. E. & W.
Very good exposure.

Position of Station on reduced Ordnance Survey }			No. of Map		Reference No.	
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge

RAINFALL at Cowhill (Wellheads Hush).

County of... Durham.

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

River Basin..... Wear - 2.

J. A. Redwell Eng., C.E. (1938)

Type of Gauge.

Annual Average 52.7 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 5

660612/26

Diameter		5.								
Height		1. 6.								
Altitude		1690.								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	(5.75)	11.60	6.05	6.45	2.75	8.10	7.10	9.85	9.95	2.80 7.030
February	(5.55)	.95	4.55	4.40	10.90	3.35	5.65	3.00	6.95	2.40 4.370
March	(2.05)	6.20	2.65	4.85	2.75	8.15	4.45	3.25	4.55	6.25 4.415
April	3.95	6.10	3.25	5.05	5.80	3.25	3.05	2.05	2.95	3.45 3.890
May	3.25	3.10	3.05	4.25	1.05	1.95	3.95	3.25	1.20	1.95 2.700
June	6.10	3.25	2.85	2.15	3.95	3.85	2.35	6.75	4.75	.95 3.695
July	5.20	4.75	4.25	3.90	2.90	6.05	2.25	5.65	6.75	6.45 4.815
August	4.35	4.10	1.65	4.05	2.75	2.85	2.95	4.25	2.85	3.05 3.285
September	2.75	6.20	2.65	4.35	7.65	5.65	3.95	2.65	2.35	4.95 4.315
October	3.25	9.40	6.00	9.30	10.20	7.95	2.80	14.25	4.65	6.95 7.475
November	7.40	4.75	3.15	3.05	7.35	6.25	1.45	8.10	9.15	6.65 5.730
December	4.30	5.80	1.35	7.90	4.95	8.45	5.90	5.65	2.65	5.75 5.270
TOTALS	(53.90)	65.10	41.45	55.70	63.00	65.85	45.85	68.70	58.75	51.60 56.990

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

Station No. TF 3537

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RAINFALL at Cowshill (Wellheads Hush)

County of Durham

Observer T. A. Rodwell, Esq. B.E.

River Basin Wear - 2

Type of Gauge

Annual Average 52.7 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660612/26

Diameter	5"		021	105							
Height	1' 6"			1							
Altitude	1690'			111							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.47	(5.00)	9.85	8.55	7.50	6.70	(5.70)	(9.95)	(3.30)	4.30	
February	(8.45)	2.66	5.75	2.55	6.10	5.10	(5.50)	(4.70)	(5.15)	8.00	
March	5.45	4.45	2.75	1.25	4.70	3.00	(8.00)	(3.25)	(1.55)	2.86	
April	2.75	3.25	4.35	2.35	3.00	2.50	10.10	(3.90)	6.40	4.10	
May	3.05	4.05	4.75	2.60	4.60	3.00		(2.30)	2.40	3.10	
June	1.15	1.45	2.75	4.90	5.20	3.50	4.90	(6.70)	.70	2.70	
July	1.15	4.85	2.85	3.00	2.50	4.90	2.70	(1.85)	3.60	4.50	
August	6.25	5.40	7.60	4.15	4.80	6.10	10.00	(7.30)	(2.45)	7.30	
September	.85	6.05	5.65	8.15	4.90	8.00	4.70	(6.05)	(2.75)	9.10	
October	6.90	6.25	5.45	6.60	8.00	1.90		(3.45)	7.50	4.60	
November	3.90	1.95	4.45	11.80	1.40	10.60	7.50	(3.40)	12.70	6.70	
December	4.45	7.65	3.65	5.50	3.50	5.90	(4.15)	(4.45)	9.40	(3.00)	
TOTALS	47.82	53.00	59.75	61.40	56.20	61.20		(57.30)	(57.80)	60.26	
	M	M	M	M	M	M		M	M	M	

1941 Feb. cold for snow

70010 77774 70304 00014

1942 January cold for snow.

1947 Jan, Feb & March ext. Nov ext. No reading Mar ext. No reading Mar ext. Gauge damaged. New gauge ordered.

1948 gauge damage in November, replaced end Oct.

1949 gauge not yet replaced Dec 49

20004 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

T.F. 48

RAINFALL at 8 Cowshill (Wellheads Bush)

Station No. 3537

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County of DurhamObserver J. D. Ratcliffe, Esq., C.E.River Basin Mear - 2

1/1/54 A.C. WILDSMITH Esq., C.E.

Type of Gauge Octapent

Annual Average 52.7 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " " 56.85 " 35 " Within 1916-56. " " File No. 660472/26 E 32551/58

Diameter ...	5"	021	105								
Height ...	1' 6"			1		1'		1' 0"			
Altitude ...	1690'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(4.00)	(8.80)	1.60	5.00	5.00 (5.20)	7.00	5.75	5.50	9.50		
February	(6.50)	(2.10)	(1.90)	4.20	(4.30) (4.30)	3.50	8.00	1.50	8.00		
March	(5.40)	2.50	.90	4.50	(3.00) (3.60)	3.90	4.00	1.50	3.75		
April	(4.70)	3.20	3.80	.90	(3.00) 1.70	.70	2.25	5.50	4.75		
May	3.40	2.50	3.10	5.80	(5.00) 2.20	2.60	5.00	.75	2.50		
June	1.80	2.30	2.90	4.00	3.40	3.40	1.70	3.50	3.25	2.25	
July	2.60	3.30	4.10	3.50	2.30	3.90	5.60	5.00	4.25	5.75	
August	5.70	6.20	5.70	8.30	1.80	9.60	9.00	4.70	1.00	3.50	
September	3.70	5.90	6.50	6.50	2.80	5.80	5.75	4.50	2.00	2.60	
October	1.85	6.80	3.40	10.80	2.90	3.40	5.00	5.00	5.25	9.50	
November	12.20	4.20	6.10	10.30	2.80	1.80	4.00	1.00	8.25	8.50	
December	8.60	(5.50)	(2.60)	7.50	8.30	6.80	6.00	5.50	10.50	(6.00)	
TOTALS ...	59.45	53.30 (12.60)		71.30	44.60	51.60	54.75	54.20	49.25	66.60	
	AT	AT				N.P.			M	M	

1951 Private 60014
 1952 Jan Feb March M03b east snow 3600470004 00014

1953 Feb. Agt. engine agrees. Dec. est. by M03b
 1955 n.p. too much estimation.
 1957 July Turf walls rebuilt fences repaired.

1956 Jan est M03b eng agrees. Feb frost and snow. March app'd and Feb.
 1960 PRINT.

1968 Eng says agree at 10% along.
 Just III 1959 8.0. OK. g. round. Site over-exposed NW-ENE has good turf-wall. Young
 trees will over-shelter in 5-10 yrs.

6 Tuft-wall. 1960. Dec est M03b

Position of Station on Ordnance One-Inch map : No. of Map 84 National Grid Reference 351826400+

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
7000460014						

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19		1920-30		1931-40		1941-50		1951-60	
	C 1901		V		1920-22, 24-26		V		n.p.+7,+9	
	A		A		A 1920-22		-32-33, 35		44-46, 50	