

RAINFALL AT Baldersdale Blackton Reservoir

Lat.

Lon.

County of N R York

Symon's Coppermire Rain Gauge, by
Tees 16. M Observer D. D. Wilson Esq.
High Walsomby

Diameter ...										5	
Height										1 0	
Altitude ...										935 T	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										2.30	2.80
February ...										3.95	3.80
March										5.30	4.30
April										3.20	3.20
May										3.15	1.50
June.....										1.70	3.00
July										3.00	2.60
August.....										3.70	3.10
September ..										4.40	2.60
October ...										2.80	4.00
November ..										3.10	1.80
December ...										1.70	5.30
TOTALS ...										38.80	38.00

1909 Ronaldskirk Church 4 1/2 Miles NE

" Station 4 1/4 . NE

Boundary Wall 6 ft high 25 yards N

RAINFALL at Baldersdale Blackton ReservoirCounty of N. R. YorkshireObserver Hugh Wilson Esq.River Basin Tees 6

Snowdon Rain Gauge, by _____

M

Diameter ...	5										
Height	1.0										
Altitude ...	935	T								457	
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. TOTALS
January ...	5.20	1.70	3.30	4.60	3.40	5.00	5.50	4.10	8.00	4.40	19.00
February ...	5.80	5.80	3.00	3.80	5.20	4.80	5.30	1.00	4.90	2.00	13.20
March	1.90	2.10	4.30	7.40	4.30	1.80	4.90	2.70	1.60	4.50	13.70
April	3.00	2.90	6.0	4.60	1.50	2.00	3.00	2.60	1.20	2.10	8.90
May	3.10	1.40	2.80	(3.00)	2.60	1.80	3.70	2.20	2.30	1.80	10.00
June	1.80	1.20	5.90	2.10	2.90	.60	2.40	1.40	.90	1.10	5.80
July	3.80	.40	4.50	1.40	2.10	3.30	3.20	1.20	3.40	1.80	9.60
August	5.90	2.80	5.90	(1.50)	2.00	2.30	2.20	7.60	4.80	3.40	17.70
September ..	.40	2.50	2.80	3.30	2.70	1.00	2.80	2.40	9.20	2.10	16.50
October ...	3.80	3.90	4.20	3.50	2.20	.70	8.30	4.90	3.60	3.60	20.30
November ...	3.10	5.60	3.40	4.20	7.80	2.30	5.30	3.40	2.90	5.10	16.70
December ...	4.00	6.90	5.90	3.20	8.90	7.10	4.40	2.60	6.10	5.50	18.60
TOTALS ...	41.80	37.20	46.60	(42.60)	45.60	32.70	51.00	36.10	45.50	37.40	170.00

1912 Wall 6 ft high 25 yrs NE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Ronaldskirk	4mi	NE	Ronaldskirk	4mi	NE

RAINFALL at Baldersdale Blackton Reservoir

County of N. R. Yorkshire

Observer Hugh Wilson Esq

River Basin Yeo 6

J. S. Colvert

Smyrna Snowdon Rain Gauge, by

S. R. Collinson, C.E.
Tees Valley Water Bd.

M

Diameter ...	5"										
Height	1 0										
Altitude	937										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Averages
January ...	6.70	7.80	4.70	3.90	3.40	5.30	5.50	4.20	9.10	1.50	7.30
February ...	4.40	4.0	4.80	6.80	1.40	6.20	3.40	1.50	5.70	.90	1.70
March	4.70	3.80	3.40	2.10	1.50	2.36	2.80	3.70	4.20	.40	3.10
April	5.20	1.10	3.80	3.70	2.30	4.30	2.30	3.40	1.10	1.90	3.80
May	5.40	2.30	1.50	3.50	6.50	4.60	2.30	2.60	1.80	2.40	1.70
June	2.20	.30	2.10	1.10	1.70	.20	3.50	3.10	6.00	1.90	(1.40)
July	4.80	2.50	4.70	3.60	4.80	2.00	4.30	5.30	2.60	3.40	(5.20)
August	1.90	2.90	2.90	6.10	2.60	3.70	3.90	8.10	6.90	3.80	(5.40)
September...	2.00	1.30	5.50	3.90	4.10	3.10	5.80	6.70	1.00	2.30	(4.40)
October.....	3.30	3.60	1.70	7.30	5.20	4.30	4.40	3.70	5.20	4.40	(4.90)
November...	2.10	2.30	1.40	5.90	3.00	2.40	6.90	5.70	6.40	6.20	(5.10)
December...	4.70	7.60	6.60	3.00	6.90	6.30	2.00	2.70	2.60	8.60	3.80
TOTALS...	47.40	35.90	43.10	50.90	43.40	44.70	47.10	50.70	52.60	37.70	(47.80)

1920 Wall 6ft. High 25 yrs N.E.

Slope Westerly

Details 9.10.22. E. on N side of river with adequate shelter from walls & trees.

1930 June - Nov. adjusted for a small leak. (Y. 670379/26)

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	Parish Church.	Distance from gauge
1920			Ronaldkirk	4 mi	N E	Ronaldkirk	4 mi

RAINFALL at Baldersdale (Blackton Res.)

County of North Riding
River Basin Tees - 6.

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

T. S. R. Winkles, Esq., C.E. (1941)

B.Sc.

Type of Gauge

Annual Average 42.5 in. based on 19 years obs. un-weighted. Period of average 1881-1940 Ref. S
670379/26

Diameter	S.										1931-40 Means Totals
Height	1.0.										
Altitude	937.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	4.40	5.40	3.30	4.70	2.00	5.30	6.30	6.30	7.30	(2.00)	46.00
February	4.60	4.40	6.70	2.20	8.00	3.70	6.00	1.90	4.90	(2.80)	39.20
March	1.20	3.00	3.10	4.70	2.10	2.90	3.50	2.20	4.60	4.60	31.90
April	4.00	4.80	2.60	4.30	3.80	1.50	2.90	.70	2.20	2.40	29.20
May	3.30	3.70	2.90	2.60	.70	2.20	3.30	3.60	.90	1.60	24.80
June	5.30	4.30	2.50	2.20	3.20	3.50	1.70	3.50	3.30	.90	27.40
July	4.00	4.20	3.70	2.70	1.70	3.40	2.10	3.20	5.90	4.50	35.40
August	3.90	1.80	1.70	3.20	1.70	2.20	1.00	4.00	3.10	1.50	24.10
September	2.10	5.50	1.90	2.50	8.50	6.30	3.40	2.00	1.50	4.10	37.80
October	2.40	6.60	4.80	7.30	6.90	4.00	2.80	9.90	5.50	4.90	55.10
November	5.10	3.20	3.20	2.10	6.90	5.20	1.80	6.40	6.50	5.50	45.90
December	2.90	2.90	1.00	5.40	2.60	5.10	3.30	4.90	1.60	3.60	33.30
TOTALS	43.20	42.80	37.40	41.90	48.10	45.30	37.10	48.60	47.30	(38.40)	430.10
	M	M	M	M	M	M	M	M	M	M	

1940 Jan-Feb totals adjusted from nearby stations.

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 3491

RAINFALL at Baldenadale (Blachton Res.) ✓

41

County of North Ridings Observer T.S.R. Winter Esq. SE.

River Basin Tees - 6

Type of Gauge

Annual Average 40.5 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S.P.B. 447
 40.9 33 File No. 22692/33 E10079/49 670377126

Diameter	5"		028	020							
Height	1' 0"			1				1.5"			
Altitude	937'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means 1945-55
January	3.20	4.10	5.40	6.10	5.20	3.60	4.20	10.40	2.50	2.70	47.70
February	4.50	2.20	2.40	2.60	4.70	4.50 (4.00)	4.40	4.40	4.00	7.10	40.40
March	4.10	2.60	2.60	4.40	2.10	2.30 (4.50)	3.40	1.40	1.70	1.70	27.10
April	2.70	2.30	2.70	1.70 (3.50)	4.60	6.70	3.00	4.20	2.90	31.10	
May	2.00	2.30	4.50	2.30	3.60	3.00	1.70	1.70	1.50	2.45	24.05
June	.20	1.00	3.60	3.20	3.50	3.10	4.60	4.70	.80	2.20	25.90
July	1.20	3.70	2.20	3.70	1.70	4.20	3.80	1.00	3.10	3.70	28.30
August	4.40	3.40	7.60	2.40	4.50	5.40	.20	5.60	2.00	6.40	41.90
September	.50	3.00	4.00	6.80	2.80	5.60	3.90	4.80	2.70	6.25	40.45
October	5.10	3.80	4.40	4.20	5.90	.80	1.40	3.10	5.60	3.75	38.05
November	3.70	1.50	3.10	7.80	.90	7.50	6.30	3.30	6.80	6.25	47.15
December	1.90	4.40	2.80	4.90	2.40	4.60	4.40	3.90	8.30	2.85	40.15
TOTALS	38.50	34.30	46.30	46.10	40.80	44.50	47.70	49.60	42.90	48.05	432.25

943 Oct & Nov apportioned by ref to snow after storm.

1947 Feb & Mar. excl. for snow - 104004

30004

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	Parish Church.	Distance from gauge

Station No. 3491

27.42

51

RAINFALL at Baldersdale (Blaydon Res.)County of North Riding Yorks.

Observer

Z.G.R. Winter Eng. Ltd.
Res. Valley & Cleveland Water Bd.

River Basin

Tees

Type of Gauge

Bradford.Annual Average 40.9 in. based on 27 years obs. un-weighted. Period of average 1881-1915
43.82. 35 " 1916-1950 Ref. PB 447
1916-1950 P

File No.

Diameter	5"	028	020								
Height	1' 0"			1						1' 1"	
Altitude	937'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.65	4.50	1.25	3.40	3.20	4.30	5.10	3.20	3.20	5.75	37.55
February	4.75	1.50	2.10	2.60	2.30	2.30	3.50	6.50	.70	3.68	27.93
March	4.70	1.80	.60	2.50	2.10	2.50	2.20	2.70	1.90	3.25	34.25
April	3.55	2.10	2.90	.80	.95	1.10	.50	1.80	3.40	2.65	19.75
May	3.20	2.10	2.50	4.50	3.10	1.50	2.50	5.10	.45	1.82	26.77
June	1.10	1.70	2.10	(3.80)	2.00	2.50	1.50	3.60	2.10	1.35	21.55
July	1.40	2.00	3.65	(3.50)	1.40	3.70	4.60	3.40	2.40	5.04	31.09
August	3.20	4.50	5.20	5.60	1.42	7.70	7.00	4.10	.89	2.98	42.59
September	2.10	3.50	3.10	5.70	2.16	4.70	4.00	4.20	1.12	3.05	33.63
October	1.10	3.50	1.80	8.10	2.15	3.50	4.40	3.10	3.60	7.62	38.87
November	9.20	2.50	4.10	7.40	1.96	1.80	2.60	.90	5.20	7.12	42.78
December	10.00	3.20	1.50	5.10	8.70	5.50	4.43	5.40	7.00	7.12	51.95
TOTALS	47.95	32.90	30.80	53.00	31.44	40.90	42.33	44.00	31.96	51.43	406.71
	M	M	M				M		M	M	

g. sound. Satisfactory exposure.

1958 Feb app'd

low

Position of Station on Ordnance One-Inch map :

No. of Map 84

National Grid Reference NY(35)930182

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	1910-19 43	1920-30 18	1931-40 38	1941-50 50	1951-60
C1902	✓ -	✓ but - 20-22	✓ ?	✓ ?	