

RAINFALL AT Grassholme Reservoir [Middleton]

Lat. Lon. County of York N.R.

Copper Smidson Rain Gauge, by Observer D. D. Wilson Esq.
Year 16.

Diameter ..			8							5	
Height ..			10								
Altitude ..			936 ft								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			\$								
February ..			2.76	6.63	4.39	1.77	5.31	2.40	2.65	3.24	
March			1.15	5.88	3.14	2.20	2.22	3.01	4.59	3.51	
April.....			2.55	5.78	2.68	2.98	3.03	3.76	5.74	6.45	
May			2.02	1.88	2.76	3.59	1.44	1.76	2.70	3.05	
June			2.73	2.91	3.47	.52	4.25	4.54	3.22	1.71	
July			1.22	1.51	1.80	1.08	1.06	4.97	1.73	3.04	
August			3.82	4.07	2.44	.93	2.01	2.83	2.63	3.34	
September..			3.08	5.02	3.09	5.48	4.01	3.14	3.31	3.03	
October....			1.93	4.04	1.11	3.07	.83	.56	4.15	2.87	
November..			3.69	10.61	1.47	2.16	5.42	6.17	3.47	4.11	
December ..			3.17	2.74	4.67	5.08	4.94	2.78	2.59	1.50	
			4.91	3.10	3.00	1.77	3.64	6.41	1.84	5.82	
TOTALS ..			33.03	54.17	34.02	30.63	38.16	42.33	38.62	40.17	

D D D D D D

1902 Middleton in Teesdale Church 3½ miles NE

1905 Middleton Station 2 miles E

+ Inspected

RAINFALL at Linedale Farsholme Reservoir

County of N.R. Yorkshire

Observer Hugh Wilson Esq

River Basin Tees 6

Copper Smolder Rain Gauge, by

Diameter ...	5										¹⁹¹⁶⁻¹⁹ MEANS. Tchols.
Height	1 0										
Altitude ...	936 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	6.00	1.90	3.67	5.14	3.94	4.99	4.95	4.40	4.78	4.54	18.49
February ...	5.31	5.49	2.71	2.50	5.21	4.82	6.00	1.22	5.41	1.92	14.55
March	1.61	2.34	3.95	6.84	3.80	1.17	5.02	2.97	1.46	5.24	14.69
April	3.21	2.77	.66	4.23	1.72	1.88	2.13	2.40	1.17	1.78	7.48
May	2.53	1.79	2.60	3.20	1.94	1.50	3.53	1.90	2.21	1.57	9.21
June.....	1.10	2.74	6.90	2.15	3.31	.42	2.35	1.75	1.23	1.15	6.48
July	3.67	.91	4.24	1.26	1.83	2.93	2.96	1.11	5.36	2.24	11.67
August.....	6.43	3.14	5.48	1.11	2.48	3.48	2.59	7.58	3.85	2.05	16.87
September ..	.42	2.52	2.75	3.49	2.27	1.00	2.14	2.25	8.82	2.38	15.59
October ...	3.68	4.00	4.13	3.20	2.15	1.03	7.20	5.51	3.29	4.38	20.38
November ..	3.44	5.45	3.38	3.90	7.35	2.33	5.07	3.59	2.65	4.64	16.00
December ...	4.14	6.33	6.36	3.16	7.95	7.28	4.09	2.51	4.93	5.36	16.89
TOTALS ...	41.54	39.38	46.83	40.18	43.95	32.83	48.03	37.19	45.16	37.92	168.30
	+	+	+	+	+	+	+	+	+	+	

† Impeeted

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Mickleton ch	3 1/2 mi	NE	Huddlesford Farsdale	3 1/2 mi	NE

RAINFALL at Luncdale Grassholme Reservoir

County of N. P. Yorkshire

Observer Hugh Nelson Esq

River Basin Yees 6

J. S. Calvert

Copper Snowdon Rain Gauge, by

S. R. Collinson. (1924)

Jeer Valley Water Bd

Elev. Camber 3200 1726

Diameter ...	5"											1930 MEANS	1920-37 Totals
Height	10												
Altitude ...	936												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	6.42	8.76	5.00	3.32	3.26	4.43	4.88	3.30	8.30	1.48	7.14	56.29	
February ...	3.40	2.7	4.63	6.83	1.24	6.03	3.56	1.36	4.92	.95	1.22	34.11	
March	4.19	3.06	3.08	1.89	1.47	1.96	2.79	3.17	3.73	.39	2.24	27.97	
April.....	4.46	1.01	3.49	2.96	2.24	4.48	1.85	2.65	.92	1.59	2.79	28.44	
May	4.67	1.96	1.44	2.95	6.44	4.21	1.94	2.36	1.86	1.81	1.68	31.32	
June	2.42	.59	1.52	.94	1.79	.03	2.72	2.79	5.95	1.52	1.98	22.24	
July	4.84	2.44	4.14	2.92	4.76	2.56	3.99	4.99	2.32	3.80	5.32	42.08	
August	1.41	5.54	2.92	5.57	2.32	2.85	3.16	8.55	6.23	3.19	5.36	47.10	
September...	1.77	1.54	5.15	3.57	4.11	3.00	5.27	6.30	.89	2.09	3.52	37.21	
October.....	2.80	2.68	1.67	5.96	4.20	4.07	4.61	3.54	4.20	3.92	4.42	42.07	
November...	1.76	2.41	1.05	6.81	2.82	2.13	6.22	5.59	6.04	5.59	4.71	45.13	
December...	4.53	7.43	6.53	2.88	6.24	6.80	1.69	2.63	2.15	9.55	3.25	52.68	
TOTALS...	42.67	37.69	40.62	46.30	40.88	42.55	42.68	47.23	47.51	34.88	43.63	466.64	

Reported & verified
Details of 9.10.25. G. in garden between office & reservoir. Satisfactory
exposure.

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	Direction
1920	54° 36'	2° 0'	Mickleton	2 mi	E	Mickleton in Yeadole	3½ mi	NE

RAINFALL at Lunedale (Grassholme Res.)

County of North Riding
River Basin Tees - 6.

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

T.S.-R. Winter, Eng., Cl. (1941)

Type of Gauge

38

Annual Average 32.7 in. based on 37 years obs. un-weighted. Period of average 1885-1915 Ref. 5

670379/26

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

References No.

1 mile to 1 inch series							
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Station No. T.E. 3498

RAINFALL at Lennedale (Grassholme Res.) ✓

41

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

River Basin Tree = 6

Type of Gauge

Annual Average 32.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S/PB.447 (94)
 38.6 39 226921/33 E 1507/49

File No. 670227125

Diameter	5"	027	684										
Height	1' 0"			1									
Altitude	936'			41									
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means		
January	3.68	3.90	5.48	4.76	5.35	3.43	4.10	10.11	1.82	2.67	45.20		
February	4.29	2.30	3.17	2.68	5.00	3.55	4.08	3.73	4.08	6.67	39.55		
March	4.21	2.61	2.04	3.34	2.03	1.80	(5.84)	2.41	1.30	1.89	24.49		
April	1.97	2.24	2.74	2.20	3.54	1.28	6.06	3.30	3.54	2.64	29.51		
May	1.70	1.37	4.57	1.87	4.17	1.79	1.74	1.57	1.43	2.11	22.92		
June	2.24	.94	3.26	2.82	3.44	2.10	3.93	4.43	.67	1.98	23.81		
July	1.82	2.82	2.39	4.51	1.43	4.23	3.84	1.47	2.81	3.46	28.78		
August	4.21	3.25	6.43	1.93	4.37	4.67	.24	4.37	1.83	6.77	37.13		
September	2.29	2.80	4.01	6.68	2.53	5.79	3.82	4.25	2.20	5.76	38.19		
October	5.24	3.40	3.94	3.98	5.82	.91	1.02	2.60	5.10	2.68	34.69		
November	3.65	1.22	2.97	8.50	1.00	6.74	5.85	2.42	5.98	8.96	44.34		
December	1.96	4.36	2.46	4.22	2.39	4.33	3.74	3.77	7.21	2.85	36.79		
TOTALS	33.26	31.81	43.52	44.55	41.07	40.67	44.28	44.43	37.97	48.84	405.40		

1947 man. part calc'd for snow

10004

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

Station No. 3498 T.F. 42

RAINFALL at Lunnedale (Grassholme Head.)

51

County of North Riding - Yorks. Observer J.L.R. Minter Esq. C.B.E.
 River Basin Tees - 6 Yees Valley & Cleveland Water Board.
 Type of Gauge. Snowdon.

Annual Average 38.6 in. based on 39 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 44.7
 40.97 " " 35 " " 1916-1950 1916-1950 P
 File No. E10079/49

Diameter ...	5"		027	684							
Height ...	1'0"			1							
Altitude ...	936'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	3.15	3.84	1.15	3.82	2.75	4.13	5.66	3.16	2.50	5.90	36.06
February ...	4.46	.89	2.07	2.78	2.32	1.73	3.52	6.52	.70	3.67	28.66
March ...	3.64	2.34	.62	2.05	1.67	2.21	2.20	2.53	1.69	2.01	20.96
April ...	3.31	2.05	3.26	.84	1.12	.99	.35	1.57	3.11	2.54	19.14
May ...	3.00	2.42	2.20	5.28	3.14	1.29	2.13	4.92	.47	2.45	27.30
June97	1.45	1.88	2.88	2.30	2.47	1.48	3.65	1.61	1.18	19.87
July ...	1.32	1.51	3.58	2.18	1.83	3.48	4.32	3.27	2.15	5.29	28.63
August ...	3.04	4.21	5.19	5.39	1.57	7.88	6.07	3.83	.69	2.46	40.33
September ...	2.73	3.42	3.70	5.81	1.85	4.20	4.06	4.09	1.13	2.38	33.37
October88	3.91	1.77	8.66	1.90	2.98	4.22	3.04	3.32	6.21	36.89
November ...	9.18	2.61	3.97	7.10	1.99	1.34	1.86	.81	5.30	5.87	40.03
December ...	8.17	3.08	1.62	4.86	6.84	5.53	4.82	4.48	7.41	5.43	52.24
TOTALS ...	43.85	31.73	31.01	51.65	28.98	38.23	40.69	41.87	30.08	45.39	383.48

July 1968 f.0.K. f. round. True 20°, 20' NNE otherwise reference is satisfactory

Position of Station on Ordnance One-Inch map :			No. of Map	84	National Grid Reference NY(35) 948227
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d	C 1902	1910-19	1920-30	1931-40	1941-50	1951-60
		V	V	V	V	V
		V band-16-17	V band-24			