

RAINFALL AT Stake House Grizedale Intake

Lat. Lon. County of Lancashire

Wye 16.5 Rain Gauge, by Observer

Diameter											
Height											
Altitude		<u>775</u>									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			3.71	6.58	6.00	2.68	5.50	3.18	2.15	2.75	
February			3.00	3.45	3.35	3.90	1.57	2.75	.33	3.00	
March			4.03	1.27	4.03	4.32	4.23	2.61	3.30	3.15	
April			5.32	2.63	1.18	2.45	2.90	1.62	2.18	2.67	
May			2.86	2.43	2.70	2.20	6.28	2.26	1.50	3.85	
June			5.67	4.15	1.05	2.90	2.28	.57	2.50	1.60	
July			8.00	3.70	8.23	2.00	6.86	3.60	7.02	3.60	
August			7.78	5.25	3.55	2.73	2.95	2.70	2.52	3.85	6.50
September...			2.58	4.57	6.05	4.25	7.55	5.50	5.25	2.60	4.50
October.....			3.08	4.57	5.92	3.65	5.15	7.05	2.90	3.25	5.60
November....			5.70	5.80	5.42	2.03	4.25	4.35	3.60	6.00	2.85
December....			5.05	3.55	2.94	5.25	1.83	4.52	3.30	4.49	4.60
TOTALS ...			56.33	48.09	44.45	42.15	53.74	34.16	39.17	44.67	

RAINFALL AT

Stake House Grizedale Estate

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer

C Arthur Esq

Wye + 6.5

Diameter											10	
Height											1.0	
Altitude	<i>775</i>											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	6.00	2.55	3.60	1.80	4.15	2.55	3.60	1.20	5.00	6.54	3.699	
February ....	.55	.45	2.45	5.60	6.00	.37	2.15	3.60	3.80	3.04	2.801	
March	5.20	1.20	.92	1.55	3.65	5.30	5.50	6.10	1.92	3.30	3.464	
April	1.50	2.65	2.75	.55	2.10	2.75	2.25	3.11	3.60	5.17	2.643	
May	2.65	2.28	6.05	2.25	3.00	1.00	.65	2.45	4.62	4.35	2.930	
June	5.40	1.65	3.76	2.20	4.60	2.50	3.90	5.15	3.30	2.69	3.515	
July	4.40	3.95	2.15	4.65	4.35	5.20	5.40	2.15	2.40	3.50	3.815	
August	8.50	12.15	8.92	4.78	6.60	5.55	4.60	6.00	8.08	3.01	6.819	
September....	4.80	7.20	6.42	6.25	.90	1.30	6.50	4.80	2.50	7.90	4.857	
October	4.00	4.35	5.32	7.50	4.30	5.75	4.90	2.60	5.35	4.98	4.905	
November....	6.20	5.45	4.05	2.80	4.90	3.70	1.30	6.30	6.50	4.30	4.600	
December ....	.65	8.15	3.00	4.60	4.70	4.25	6.72	6.20	5.84	4.62	4.873	
TOTALS	49.85	52.03	49.39	44.53	49.25	40.22	47.97	49.66	52.91	53.40	48.921	

RAINFALL AT

Intake
Stake House
 Garstang Grizedale
 County of Lancashire North
 Rain Gauge, by Observer C. Arthur Esq. C.E.
 Hook End

Wye 1

Diameter ..	5										
Height	1 0										
Altitude ...	644 775										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.00	2.12	2.89	4.85	4.30	2.33	6.10	2.60	4.31	2.10	3.760
February ..	4.35	2.37	2.31	4.63	3.90	1.85	3.55	2.18	2.98	2.50	3.062
March ....	.98	3.75	3.55	4.37	3.43	3.00	3.68	4.70	3.43	3.49	3.438
April	3.48	2.68	1.84	2.25	3.27	3.28	1.81	1.91	2.80	4.14	2.746
May	2.45	1.20	3.70	3.82	2.95	1.09	5.55	4.06	3.16	2.62	3.060
June	3.45	2.14	1.23	1.68	1.69	2.06	3.52	8.95	2.55	3.06	3.033
July	3.27	1.23	6.00	4.67	4.00	3.08	2.50	4.64	4.65	7.73	4.077
August	7.46	3.85	3.35	7.17	4.33	5.58	3.92	6.71	5.37	3.92	5.166
September ..	2.34	1.85	1.50	7.00	1.89	3.57	1.55	1.12	6.20	2.88	2.990
October	7.32	4.95	4.94	9.97	3.35	3.81	7.50	5.10	2.21	6.90	5.605
November ..	4.86	5.04	2.99	4.33	3.58	5.32	3.60	5.13	4.25	2.17	4.127
December ..	6.16	5.80	4.60	3.60	4.20	1.05	3.75	5.47	4.00	8.75	4.733
TOTALS ..	52.12	36.98	37.90	58.34	40.89	36.02	47.03	52.57	45.91	60.26	45.802

Hick

† Inspected: g. erected by C.S.

RAINFALL at Carstang Grizedale Intake (formerly Stake H.)County of North LancashireObserver J Hook Esq C.E.River Basin Wyre + C 5Situation Rain Gauge, by Pastorelli + R

Diameter ...	5												
Height	1 0												
Altitude ...	644 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS	
January ...	5.48	1.30	4.60	4.64	4.36	5.78	4.15	2.92	3.95	5.15		16.77	
February ...	4.75	4.47	2.04	1.98	3.68	5.25	5.11	1.40	4.70	1.54		12.75	
March	93	2.06	7.30	5.03	5.03	temp with	2.35	2.33	1.95	5.90		12.53	
April	2.65	3.04	.42	5.30	.95	3.36	3.59	2.10	.91	2.22		8.82	
May	2.24	1.43	2.33	3.10	2.95	2.76	3.79	2.08	2.10	(1.95)		9.92	
June	2.39	3.70	7.74	2.79		1.26	3.08	3.20	1.87	1.90		10.05	
July	7.45	.78	5.41	(.47)	5.49	4.98	4.32	2.45	4.75	2.03		13.55	
August	6.75	4.89	6.22	1.92	2.73	6.24	4.50	9.06	4.34	5.10		23.00	
September ..	.55	4.20	2.64	3.24	3.55	1.18	3.47	4.74	9.20	3.68		21.09	
October ...	3.25	5.39	4.93	3.09	1.94	2.12	9.40	8.41	4.75	(3.06)		25.62	
November ..	5.77	5.77	5.68	(.82)	6.21	2.34	4.44	4.82	2.80	2.25		14.31	
December ...	4.54	7.90	4.34	3.66	5.65	8.20	4.04	2.26	8.60	6.30		21.20	
TOTALS ...	46.75	44.93	53.65	36.65			52.24	45.77	49.92	(41.08)		189.01	

1910 Stat says this has been entered as Stake H. but was never there - has always been at the Intake on the stream as at present

1913 f lamped with in July + Nov

1914 f " " " June

1919. Gauge lamped with. Average of Bannacre Nos 1 & 2 = Calder Intake taken in May & Oct.

+ Inspected

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

RAINFALL at *Garstang, Grizedale Intake*

No. 3

County of *N. Lancashire*Observer *J. Cooke Esq. B.E.*
(1925) *G. F. Atkinson Esq. B.E.*River Basin *Wyre & Co.*

Fylde Water Bd.

Snowdon Rain Gauge, by *Pastorelli & Roper*
(30) H.O.

Diameter ...	5"													
Height	10													
Altitude ...	644													
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1920			
January ...	4.65	7.00	4.27	4.05	4.18	3.20	5.63	4.80	10.86	2.56	6.15	57.35	Total	
February ...	2.57	3.5	5.60	5.97	8.2	5.62	5.25	3.01	4.77	1.46	.35	35.97		
March	4.56	4.10	2.15	1.37	1.81	1.71	1.32	4.00	3.73	1.45	3.14	29.34		
April	5.70	1.81	2.40	3.22	1.85	2.74	1.52	1.98	1.60	2.00	2.72	27.54		
May	6.34	3.30	2.06	3.43	5.47	4.80	3.21	1.76	.95	2.50	1.75	35.55		
June	2.97	5.7	3.05	1.22	3.13	7.0	4.10	4.70	8.46	2.01	2.07	33.01		
July	6.07	1.65	6.75	4.95	4.11	3.44	4.90	5.40	4.55	4.95	4.55	51.32		
August	2.33	7.08	5.88	7.25	7.85	5.96	3.90	8.80	7.42	6.95	8.37	71.79		
September...	3.95	1.87	6.63	5.19	6.11	5.40	5.50	9.02	2.49	2.98	2.60	51.74		
October	1.62	2.50	1.10	6.68	5.45	6.20	4.70	4.74	6.87	7.00	7.60	54.46		
November...	2.57	2.85	3.48	6.37	2.65	2.83	7.90	5.74	7.70	8.03	5.90	56.02		
December...	3.41	5.78	5.40	5.15	6.50	2.80	1.74	1.39	3.90	6.10	5.98	50.10		
TOTALS...	46.74	38.86	48.77	54.85	49.93	48.43	49.67	55.34	63.48	149.99	51.13	554.19		

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	Direction from gauge

RAINFALL at Glastang (Grisedale Intake)County of N. Lancs. Observer Fylde Water Board.River Basin S. Wyre &c.Type of Gauge M.O. Casseford (1937)Annual Average 46.6 in. based on 45 years obs. un-weighted. Period of average 1881-1925 Ref. 5

697676/26.

Diameter	5"											
Height	1' 0"											
Altitude	600'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.16	4.70	3.25	4.45	2.30	4.55	3.00	5.15	5.40	1.83		Totals 39.77
February	4.45	.07	3.86	.20	5.50	2.65	6.48	1.65	3.80	1.78		30.46
March	.48	2.88	2.56	2.94	1.23	3.03	1.75	1.22	2.40	3.90		22.39
April	3.13	3.20	2.55	2.92	2.93	.92	3.30	.40	2.90	3.25		25.50
May	2.84	5.49	2.73	4.00	1.25	1.58	2.40	4.00	1.60	1.70		27.59
June	7.60	1.63	3.01	2.43	5.87	4.48	2.65	7.40	3.96	.75		39.78
July	6.00	5.40	3.22	2.68	1.67	5.01	2.02	5.40	7.05	5.20		43.65
August	4.67	1.91	2.75	6.70	3.02	4.10	2.70	4.05	1.90	2.50		34.20
September	3.85	7.30	1.34	4.87	8.10	5.05	3.50	3.30	1.85	5.57		44.73
October	3.80	8.41	6.46	7.50	8.30	4.00	2.95	10.40	1.97	4.60		58.34
November	9.14	3.59	2.75	1.77	4.73	5.35	2.55	5.50	5.93	5.60		46.91
December	3.52	2.92	1.01	6.90	3.15	6.55	2.83	4.20	3.07	5.20		39.38
TOTALS	54.54	47.50	35.49	47.36	48.05	47.27	36.13	52.67	41.83	41.88		452.72

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Glastang	11m	SW	Calden Vale	3m.	SE

Station No. 3062RAINFALL at Garstang (Grizedale Lake)

51

County of N. LancashireObserver Fylde Water BoardRiver Basin Wyre 98-5Type of Gauge Snowdon BradfordAnnual Average 46.6 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S
47.2 " " " 35 " " 1916-1950 1916-1950File No. 2976.76/26 P
5 121 150

Diameter ...	5'			578	000							
Height ...	1' 0"				1							
Altitude ...	644'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	5.00	5.20	2.08	5.00	2.65	5.00	4.45	4.85	3.44	5.70	43.37	
February ...	4.05	1.20	1.99	3.50	2.10	1.00	3.50	5.90	1.15	3.65	28.04	
March ...	5.85	3.00	.75	2.95	1.85	1.15	3.60	1.90	2.60	1.90	25.55	
April ...	2.50	3.75	3.41	1.00	2.90	2.50	.50	1.80	3.90	3.00	25.26	
May ...	2.46	2.60	2.85	3.25	3.75	2.75	2.65	5.99	2.30	3.10	31.70	
June ...	1.55	4.65	3.40	5.80	4.10	2.78	2.30	4.51	3.98	1.72	34.79	
July ...	4.00	2.25	5.20	8.10	1.42	4.50	5.90	3.90	5.57	7.90	48.64	
August ...	4.52	8.80	5.55	8.50	1.20	14.10	5.08	4.00	.37	6.77	58.89	
September ...	4.25	3.75	6.00	7.25	2.92	3.95	8.05	5.65	.47	4.10	46.39	
October ...	2.25	4.60	2.24	10.50	2.60	3.75	6.69	4.50	4.20	3.80	45.13	
November ...	8.90	2.08	5.20	7.00	2.55	1.90	1.75	2.05	6.40	8.80	46.63	
December ...	10.20	3.80	2.40	5.68	4.52	4.97	4.55	4.70	9.42	4.51	54.77	
TOTALS ...	55.53	45.68	41.07	68.53	32.58	48.35	49.02	49.75	43.80	54.85	489.16	
		M	M						M	M		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD121 5441.0 96

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Garstang & Battersall	4 m.	SW	Balden Vale	3 m.	S.E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-12, 16-19	✓	✓	✓	