

RAINFALL AT Roughing Reservoir No. 1.

Lat.

Lon.

County of Lanark

Rain Gauge, by

Observer J. Christensen Esq. C.E.Clyde, R. Bank - H.

Diameter											
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					5.42	2.35	1.68	2.09	2.26	2.28	
February					2.18	1.43	1.10	.82	2.04	1.64	
March					1.09	1.82	3.30	1.51	.99	2.15	
April					1.65	1.80	.61	2.15	2.34	2.24	
May					1.60	2.23	3.22	1.77	3.44	2.30	
June					1.24	1.28	1.38	1.58	1.50	.00	
July					5.98	1.73	2.25	2.58	3.56	2.24	
August					3.02	1.91	4.00	5.05	2.44	6.00	
September....					2.66	2.65	5.53	2.52	1.68	.98	1.54
October					4.19	3.19	2.56	3.55	2.48	1.79	3.48
November					3.00	1.69	1.57	3.13	3.11	7.31	1.73
December					4.28	4.06	2.30	1.42	2.31	1.48	2.36
TOTALS					33.77	26.51	28.16	27.13	30.13	27.96	

(36.47) (28.63) (30.41) (29.30) (32.54) (30.19)

1889. Mr. Gale C.E., Glasgow Corp. W.W. was not satisfied with the position of No. 1. gauge and No. 2 gauge was set in the open near the reservoir on 20th. November 89. The records of No. 1 gauge were increased by 8 per cent. (in pencil)

Back years '83 imp. - ⁸⁹ received and entered Dec. 1911.

RAINFALL AT Roughrigg Reservoir No. 2

Lat.

Lon.

County of LanarkGage, R. Bank - 11. Rain Gauge, byObserver J. Ghisholm Esq. G.S.

Diameter												
Height												
Altitude												
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January												
February												
March												
April												
May												
June												
July												
August												
September....												
October.....												
November....												
December....												
TOTALS ...												

1889. Mr. Gale, G.S. Glasgow Corporation W.H., was not satisfied with the position of gauge No. 1. and No. 2 gauge was set in the open near the reservoir of Nov. 20th.

Recd. and entered Dec. 1891.

RAINFALL AT

Roughing Reservoir No. 1

Lat. _____

Lon. _____

County of _____

Lanark

Rain Gauge, by _____

Observer _____

? J. Chisholm Esq. B.S.

Clyde, Bank - 14.

Diameter												
Height												
Altitude												
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.79	2.09	1.87	.85	3.50	.77	2.21	1.23	2.00	6.08		
February ....	.84	.80	1.98	3.36	8.32	.65	.50	2.32	2.50	1.27		
March	2.60	3.63	.50	.86	2.61	1.99	4.40	3.18	1.42	3.18		
April	1.69	.32	.77	1.61	1.14	1.21	1.82	1.65	2.38	2.20		
May	3.25	1.85	4.12	1.98	2.60	.64	.76	1.94	2.15	3.18		
June	3.52	1.35	4.73	2.34	2.68	2.80	4.90	5.65	2.17	2.01		
July	3.60	2.00	1.23	2.60	5.00	5.27	3.87	1.57	1.91	3.55		
August	5.57	5.16	6.46	3.50	4.32	5.49	2.55	3.25	3.14	1.15		
September....	4.10	5.40	5.78	2.62	.70	1.51	4.51	2.81	6.51	4.90		
October	3.84	2.40	3.25	4.66	2.10	4.60	2.86	1.31	3.55	3.03		
November....	5.74	2.42	3.12	2.95	3.58	2.75	1.10	3.03	3.95	3.60		
December	1.64	5.87	1.95	3.76	3.16	3.54	4.50	5.07	4.40	2.70		
TOTALS ...	41.18	33.29	35.76	31.09	39.71	31.22	33.98	33.01	36.08	36.85		

(44.47) (35.95) (38.64) (33.57) (42.88) (33.71) (36.69) (35.65) (38.96) (39.79)

Gauge No. 1 - unsatisfactory exposure. Record increased by 8 per cent (see pencil figs).

Back years '83-⁹⁹~~84~~ received and entered Dec. 1911.

RAINFALL AT *Roughrigg Reservoir No. 2.*

Lat. _____

Lon. _____

County of _____

Lancashire

Rain Gauge, by _____

Observer _____

J. Chisholm Esq. C.E.

Claydon, R. Bank - 44.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.79	1.73	1.94	1.13	3.94	1.58	2.70	1.22	1.71	5.56	
February ....	.85	.74	2.90	3.95	9.28	.54	.80	1.79	1.75	1.19	
March	2.60	3.82	.62	.85	2.81	2.77	4.46	2.97	1.26	2.82	
April	1.60	.33	.88	2.47	1.33	1.46	1.85	1.63	2.20	1.96	
May	3.42	1.98	4.59	2.23	3.10	.81	.75	1.79	1.96	2.97	
June	3.68	1.43	5.26	2.66	3.50	2.40	4.61	5.28	1.93	1.92	
July	3.65	2.10	1.76	2.85	5.27	6.14	4.20	1.40	1.56	3.61	
August	5.65	5.25	6.70	3.36	4.44	5.71	2.64	3.34	3.09	1.40	
September....	3.88	5.81	6.23	2.65	.90	1.54	4.97	2.69	5.88	4.58	
October	3.48	3.15	3.55	4.71	2.84	4.79	3.27	1.29	3.28	2.93	
November....	5.86	2.84	3.18	2.94	3.83	3.09	1.28	2.78	3.59	3.45	
December	1.78	6.57	2.04	4.35	3.56	3.92	4.11	4.07	3.45	2.65	
TOTALS ...	41.24	35.75	39.65	34.15	44.80	34.75	35.64	30.25	31.66	35.04	

1896 Nov. g. moved to the New Clear Water Basin. (record seems bad from this time onwards)

Back years 89 imp. - 1901 Recd. and entered - Dec. 1911.

RAINFALL AT *Airdrie, Roughrigg Reservoir [Stannerman]*

No. 1.

Lat.

Lon.

County of *Lancashire*

Ordinary *make* Rain Gauge, by
Clyde, R. bank - 14.

Observer *J. Dickinson Esq. C.E.*
Dr. Buchanan F.R.S.

Diameter ..							5				
Height							10				
Altitude ..							661				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.35	1.91	3.77	5.73	3.55	2.10	3.08	2.42	3.86	4.43	
February ..	3.03	1.35	.94	6.24	2.19	2.19	2.22	2.62	1.96	2.47	
March ....	.68	2.23	2.38	6.74	1.50	4.20	2.86	3.32	4.21	3.73	
April	1.88	1.72	.68	1.33	4.42	2.59	1.04	1.77	1.79	3.59	
May	1.64	2.32	1.42	1.69	2.97	1.05	5.15	3.87	2.82	2.79	
June	5.34	2.44	2.56	2.03	1.48	.83	1.42	3.79	1.81	2.36	
July	2.96	1.60	3.75	3.91	3.02	4.01	2.05	2.94	3.61	3.89	
August	4.08	4.49	2.30	5.85	4.11	3.14	5.65	4.93	3.01	3.31	
September ..	3.00	1.60	3.40	2.84	3.24	2.75	2.04	1.11	5.25	2.15	
October	5.20	3.79	1.70	7.16	1.53	2.06	7.23	9.02	1.03	5.42	
November ..	7.19	3.43	1.72	2.54	2.20	4.29	4.21	1.93	3.05	2.13	
December ..	4.01	(3.60)	2.34	2.21	3.42	3.00	3.23	4.61	1.53	4.12	
TOTALS ..	42.36	(30.49)	26.96	48.27	33.63	32.21	40.18	42.33	33.93	40.39	

(45.74)(32.92)

1906 *Shotts Church* 5 miles S.E. (09)
2 1/2 miles E
Clarkston or Chapelhall Station
Gauge in open space
1909 *Airdrie Station* 3 miles N.W.

1900-01-02-03 (months)-04. Recd. and entered XII. 1911.

Unsatisfactory exposure in early years - 8 percent added
to totals 1884-1901. (see pencil figs.)

Dec. '01 recd. XII. '11

RAINFALL AT Roughrigg Reservoir No. 2.

Lat. _____

Lon. _____

County of Lanark

Rain Gauge, by _____

Observer _____

J. Chisholm Esq. C.E.

Clyde, R. bank - 4.

Diameter ...											
Height											
Altitude ...											
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	2.95	1.59									
February ...	2.38	1.22									
March .....	.63	2.13									
April	1.58	1.50									
May	1.79	2.22									
June	5.34	2.43									
July	2.79	1.61									
August	4.06	4.25									
September ..	2.99	1.72									
October ...	4.67	3.74									
November ...	7.09	2.72									
December ...	3.26	(3.40)									
TOTALS ...	39.53	(28.53)									

? Bad

Back years '89 imp. - 1901 received and entered Dec. 1911.

Dec. '01 est. XII. 11

RAINFALL at Roughrigg Reservoir [Manannan]County of Lanark, Observer J. Chisholm Esq. C.E.River Basin Clyde Right bank trib. 4.

Rain Gauge, by _____

Diameter ...	5											
Height	10											
Altitude ...	667											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.92	2.15	1.97	3.80	2.75	2.23	4.81	1.89	3.50	5.17	3019	1337
February ...	3.79	4.98	2.28	1.89	3.51	3.88	4.77	1.12	4.21	1.25	3168	11.35
March	1.69	1.65	4.03	4.10	4.40	1.99	2.31	2.15	1.23	1.82	2537	7.51
April	3.81	2.27	1.09	2.90	2.01	2.21	3.80	1.28	.47	2.21	2205	7.76
May	2.15	1.50	1.32	3.19	2.68	1.55	5.74	2.62	2.48	.69	2392	11.53
June	1.77	1.43	4.68	2.68	.82	2.65	3.89	2.83	1.25	3.24	2524	11.21
July	4.17	3.05	2.06	.87	2.85	3.79	5.22	2.33	2.86	1.12	2832	11.53
August	5.95	1.93	4.86	1.85	3.78	3.39	3.86	5.60	3.11	2.83	3716	15.40
September ..	1.23	1.93	2.59	2.25	1.60	1.67	1.65	2.21	5.05	3.70	2388	12.61
October ...	1.91	3.48	3.08	2.21	2.07	2.36	6.26	4.78	4.50	1.50	3221	11.10
November ..	2.81	5.43	3.25	4.70	4.54	1.44	3.75	6.06	3.05	4.96	3999	17.32
December ...	3.04	4.23	5.06	3.46	5.45	5.73	4.52	2.53	3.98	5.05	4305	16.08
TOTALS ...	36.24	34.03	36.27	33.90	36.46	32.89	60.58	35.40	35.69	31.60	36306	1332

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Clarkston Ardrie	3 mls	NW.	Shotts (19 1/4) 4 m. (19 1/2) 4 m.	5 mls. 4 m.	SE. NW.

RAINFALL at Clarksdon (Raybrig Reservoir).County of Lancr.Observer J. Chisholm, Esq. C.E.River Basin 4 Clyde, R. bank.Airline W. Board.

(1926) M.O. Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	661											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN.	
January ...	4.86	6.42	3.74	3.71	3.03	2.97	4.19	4.66	6.68	1.13	4.08	45.97
February ...	4.26	6.1	2.83	3.31	5.7	3.00	4.11	2.07	2.93	1.43	.18	25.30
March	3.12	4.43	2.14	1.23	.58	2.18	2.47	2.81	1.80	.94	1.95	23.65
April	2.12	1.22	1.57	3.43	1.93	3.56	1.76	2.76	.98	1.91	1.19	22.43
May	3.76	2.04	3.46	2.54	4.34	4.02	3.04	2.30	1.88	2.51	1.49	31.38
June	1.30	.83	2.29	1.29	1.99	.58	2.34	3.33	2.74	2.56	2.43	22.68
July	4.40	3.36	3.45	5.99	3.44	1.80	3.94	2.63	2.30	2.89	5.71	39.91
August	4.52	6.83	2.70	7.48	4.45	3.97	2.76	5.63	4.10	4.74	4.74	51.92
September...	2.53	2.65	2.58	5.22	3.57	4.17	3.96	6.42	3.34	1.52	2.74	38.69
October	1.52	5.09	2.12	5.23	3.38	2.63	5.15	4.24	5.15	4.12	5.44	44.07
November...	3.01	2.14	2.22	3.68	1.74	.74	4.75	3.42	2.71	5.44	4.76	34.61
December...	2.97	7.51	3.20	3.15	4.05	2.70	1.43	.83	3.20	6.03	2.74	37.81
TOTALS...	28.36	43.63	32.30	46.26	33.07	32.32	39.90	41.10	38.81	35.22	37.45	418.42

1930 Gauge was moved 10 yards NE on 1/10/30.

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
1920			Clarksdon	3 m.	N.W.	Thotts	4 m.	N.W.

RAINFALL at *Blackston (Roughrigg Reservoir)*County of *Lancr.*Observer *J. Chisholm, G.E.*River Basin *4 - Clyde - Right Bank*Type of Gauge *M.O.*Annual Average *35.8* in. based on *4.9* years obs. up-weighted. Period of average *1881-1915* Ref. *S**computed x137*

Diameter	5"											
Height	1' 0"											
Altitude	664'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.76	8.83	2.91	3.52	1.61	3.84	3.14	4.98	4.51	1.30		37.60
February	3.38	.07	2.87	.25	3.33	2.83	4.42	.99	4.51	1.31		23.96
March	1.11	2.43	1.66	3.35	2.03	2.41	1.15	2.75	3.35	3.90		24.14
April	2.48	2.72	1.92	4.59	2.99	1.45	1.45	.46	1.92	2.62		22.60
May	3.01	2.96	2.89	2.39	.51	.96	1.84	4.75	1.04	1.84		22.22
June	6.10	1.00	2.52	2.64	3.59	1.55	3.35	4.66	2.25	1.09		28.75
July	4.80	3.43	4.76	3.33	1.99	4.62	3.85	4.58	4.83	5.32		41.51
August	3.40	1.29	2.72	3.70	2.54	3.19	4.33	3.18	1.52	2.04		27.91
September	1.11	5.01	1.41	3.63	4.94	4.72	1.99	4.06	2.13	4.06		33.06
October	3.24	5.56	3.05	5.10	7.87	3.70	3.86	6.65	2.39	2.95		44.37
November	6.25	2.64	1.93	1.16	11.34	3.84	.69	6.14	6.25	4.27		57.51
December	2.60	7.02	.87	3.48	1.80	4.27	1.55	2.12	1.51	3.40		28.62
TOTALS	40.24	42.96	29.51	37.14	37.54	37.38	31.65	45.32	36.21	34.10		372.05

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
1931.			<i>Blackston</i>	3m.	N.W.	<i>Shotts</i>	4m	S.E.

RAINFALL at Clarkston (Roughrigg Res.) Station No. 5182 41County of Lanark Observer J. Chisholm Esq., C.E.
River Basin H. Clyde-Right Bank David T. Brown Esq. (Ex-1-43)
Type of Gauge (M)Annual Average 35.8 in. based on 49 years obs. wt-weighted. Period of average 1881 - 1915 Ref. S

File No.

Diameter	5"				656	740						
Height	1'0"					1						
Altitude	664'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	0.88	3.97	3.67	4.08	2.20	3.60	3.22	6.82	3.48	2.25		34.17
February	2.95	1.33	3.53	1.30	5.25	2.28	(1.50)	3.72	4.02	3.83		29.71
March	2.84	1.48	2.03	0.50	2.43	2.55	2.84	2.49	1.56	3.61		22.33
April	1.68	2.15	2.13	2.58	1.75	1.15	4.44	2.92	2.70	2.91		24.41
May	4.96	2.62	1.54	2.60	3.75	1.70	3.28	1.92	1.56	1.31		28.24
June	0.79	1.35	4.15	3.01	4.06	2.41	3.73	5.71	0.99	2.73		28.93
July	3.35	3.33	2.35	3.50	2.82	4.03	2.30	2.58	2.11	4.98		31.35
August	3.68	3.73	4.80	4.75	2.15	3.31	0.00	7.04	3.91	4.19		37.56
September	0.84	3.99	2.40	5.36	6.58	7.33	3.96	6.03	1.46	8.95		46.90
October	3.39	5.02	5.32	4.25	4.93	0.49	1.52	4.98	5.51	2.58		37.99
November	2.47	0.77	1.90	6.70	0.67	4.88	5.04	2.89	3.56	3.22		32.10
December	1.59	3.28	1.44	4.40	3.10	2.87	2.99	4.21	6.49	1.89		32.26
TOTALS	29.42	33.02	38.26	43.03	39.69	36.60	34.82	51.31	37.35	42.45		325.95
	M	M	M	M	M	M	M	M	M	M		

1947 Feb. adj. for snow

2004

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.

BRITISH RAINFALL ORGANIZATION

Station No. **5182/1****RAINFALL at Clarkston (Roughrigg Reservoir) No. 2****51**County of **LANARK** Observer **D. T. Brown, Esq., C.E.**River Basin **A. CLYDE Right Bank Fries.**

Type of Gauge.....

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

File No.....

Diameter ...					5"		656	741			
Height ...					1' 0"			1			
Altitude ...					694'			51			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...					-100	1.90	4.12	3.06	1.29	2.77	
February ...						1.81	2.89	2.08	1.51	2.86	
March ...						2.40	3.22	1.84	0.91	1.68	
April ...						0.82	1.82	1.22	2.62	2.17	
May ...						1.77	2.54	3.15	1.08	2.21	
June ...						3.06	2.59	3.35	2.76	2.12	
July ...						5.04	4.22	5.29	4.58	3.21	
August ...						4.55	4.66	4.89	1.11	3.41	
September ...					-100	4.64	2.48	3.29	1.19	2.28	
October ...					#	2.92	2.79	3.17	2.77	3.56	3.09
November ...						1.83	1.29	2.17	1.83	5.41	4.35
December ...						5.46	3.63	3.84	5.24	4.42	3.91
TOTALS ...					-100	33.70	37.42	37.61	30.44	34.06	
					inc.	np.	np.	np.	np.	np.	

N.P. Check gauge for 5182.

np. 1959 check.

1960 np check

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference **21 802 648**

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