

RAINFALL AT Roughrigg Reservoir No. 1.

Lat.....

Lon.....

County of.....

Lanark

Clyde, Bank - 11.

Rain Gauge, by.....

Observer.....

J. Chisholm Esq. B.B.

Diameter											
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					542	735	168	209	226	228	
February					218	143	110	.82	204	164	
March					109	182	330	151	99	215	
April					165	180	61	215	234	224	
May					160	223	322	177	344	230	
June					124	128	138	158	150	00	
July					598	173	225	258	356	224	
August					302	191	400	505	244	600	
September					266	265	553	252	168	98	154
October					419	319	256	355	248	179	348
November					300	169	157	313	311	731	173
December					428	406	230	142	231	148	236
TOTALS					3377	2651	2816	2713	3013	2796	

(3647) (28.63) (30.41) (29.39) \$254 (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 percent. (in pencil)

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

RAINFALL AT Roughrigg Reservoir No. 2

Lat.

Long.

County of

Lanark

Clyde, R. Bank - 4t.

Rain Gauge, by

Observer

J. Chisholm Esq. B.C.

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

70
2.15

1889 Mr. Gale, B.C. Glasgow Corporation H.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. 1911.

RAINFALL AT

Roughing Reservoir No. 1

Lat.

Lon.

County of

Lanark

Rain Gauge, by
Clyde, Bank - st.

Observer

? J. Chisholm Esq. B.C.

Diameter										
Height										
Altitude										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899
January	479	209	187	85	350	77	221	123	200	608
February	84	80	198	336	832	65	50	232	250	127
March	260	363	50	86	261	199	440	318	142	318
April	169	32	77	161	114	121	182	165	238	220
May	325	185	412	198	260	64	76	194	215	318
June	352	135	473	234	268	280	490	565	217	201
July	360	200	123	260	500	527	387	157	191	355
August	557	516	646	350	432	549	255	325	314	115
September	410	540	578	262	70	151	451	281	651	490
October	384	240	325	466	210	460	286	131	355	3.03
November	574	242	312	295	358	275	110	303	395	360
December	164	587	195	376	316	354	450	507	440	270
TOTALS	4118	3329	3576	3109	3971	3122	3398	3301	3608	3685
	(44.47)	(3595)	(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 received and entered Dec. 1911.

RAINFALL AT Roughrigg Reservoir No. 2.

Lat.

Long.

County of

Lanark

Clyde, R. Bank - 4 ft.

Rain Gauge, by

Observer

J. Chisholm Esq. B.B.

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	
February85	.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	2.99	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)

Pack years 89 up. - 1901 Recd. and entered - Dec. 1911.

No. 1.

RAINFALL AT Airdrie Roughrigg Reservoir [Hannaman]

Lat. Lon. County of Lanark

Ordinary makes Rain Gauge, by Observer J. Chisholm Esq. C.R.
Clyde, R. bank - 4 ft. Dr Buchan FRS

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	3.65	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
March68	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	(20.48)	26.96	48.27	33.63	32.21	40.18	42.33	33.93	40.39

(45.74) (32.92)

1906 ^{Wind} Shotts Church 5 miles SE (09)
2 1/2 Miles E

Clarkston or Hopfall 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 per cent added
to totals 1884-1901. (see pencil figs.)

Dec. '01 est? XII '11

RAINFALL AT Roughrigg Reservoir No. 2

Lat. _____

Lon. _____

County of Lanark

Rain Gauge, by
Clyde, R. bank - ft.

Observer J. Chisholm Esq. B.E.

Diameter ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	295	1.59									
February ...	238	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 estd. XII. 11

RAINFALL at Roughrigg Reservoir [Nanmann]

County of Lanark Observer J. Chisholm Esq. B.B.

River Basin Clyde Right bank trib. 4.

Rain Gauge, by

Diameter ...	5											
Height	1 0											
Altitude ...	661											
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	3.17	3019	1337
February ...	3.79	4.98	2.28	1.89	3.51	3.88	4.77	1.12	4.21	1.25	3168	11.95
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	3.30	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	6.04	3.05	4.96	3999	17.92
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	50.58	35.40	35.69	31.60	36306	153.27

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

RAINFALL at Clarkston (Roughrigg Reservoir).

County of Lanark. Observer J. Chisholm, Esq., C.E.

River Basin 4 Clyde, Ebank. Andree W Board.

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

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. M.B.A.H.
Height	1.0											
Altitude ...	661											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	4.86	6.92	3.74	3.41	3.03	2.97	4.19	4.66	6.68	1.13	4.08	45.97
February ...	4.26	6.61	2.83	3.31	5.7	3.00	4.11	2.07	2.93	4.63	1.8	25.30
March	3.12	4.43	2.14	1.23	5.8	2.18	2.47	2.81	1.80	1.94	1.95	23.65
April.....	2.12	1.22	1.57	3.43	1.93	3.56	1.76	2.76	1.98	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	1.83	2.29	1.29	1.99	1.58	2.34	3.33	3.74	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...	2.52	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	1.74	4.75	3.42	2.71	5.44	4.76	34.61
December...	2.97	7.51	3.20	8.15	4.05	2.70	1.43	8.3	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 1/1/30.

Position of Station on reduced Ordnance Survey } No. of Map _____
Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920			Clarkston Sm.	N.W.		Shotts	4 m.	N.W.

RAINFALL at Clarkston (Roughrigg Reservoir)

County of Lanark.

Observer T. Chisholm, G.E.

River Basin H - Clyde-Right Bank.

Type of Gauge M.O.

Annual Average 35.8 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. S
Completed X/37

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	37.40	
February	3.38	0.07	2.87	2.25	3.33	2.83	4.42	0.99	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	1.46	1.92	2.62	22.60	
May	3.01	2.96	2.89	2.39	.51	0.96	1.84	4.75	1.04	1.84	22.22	
June	6.10	1.00	2.52	2.64	3.59	1.55	3.85	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	4.34	3.84	0.69	6.14	6.25	4.27	37.51	
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	372.00	
	44	44			M	M						

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	Direction
1931.			Clarkston	3 m.	N.W.	Shotts	4 m	S.E.

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

656740

5182

RAINFALL at Clarkston (Roughrigg Res^t)

Station No.

41

County of Lanark

Observer

T. Chisholm Esq., C.E.

River Basin 4 - Clyde - Right Bank

Mail TT Brown F.R.G.S. (Ex 1-43)

Type of Gauge



Annual Average 35.8 in. based on 49 years obs. un-weighted. Period of average 1881 - 1915 Ref S

File No.

Diameter	5"				656	440					
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	5.22	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	1.34	4.40	3.10	2.87	2.99	4.21	6.49	1.89	32.26
TOTALS	29.42	33.02	33.86	43.03	39.69	36.60	34.82	51.31	37.85	42.45	385.95
	M	M	M	M	M	M	M	M	M	M	

1947 Feb. adj. for snows

20004

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

Reference No.....

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

Station No. 5182

RAINFALL at Bleasdale (Roughrigg Res.)

51

County of Lancashire

Observer David J Brown Esq. C.E.

River Basin. 4 - Lye - Right Bank Tribs

Type of Gauge M. O FMS.

N. 1° N 42'

Annual Average 35.8 in. based on 49 years obs. yd-weighted. Period of average 1881-1915 Ref S
" " 39.06 " " 27 within 1931-59. " " 1916-50 " S.
File No.

Diameter ...	5"				650	740					
Height ...	1' 0"						1				
Altitude ...	664'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	4.12	2.95	1.74	4.04	2.09	1.99	4.49	3.31	1.35	2.80	
February	2.03	1.06	1.41	2.58	1.41	1.51	3.13	2.04	1.60	2.97	
March	3.26	2.02	1.21	2.04	1.90	2.38	3.35	1.51	1.51	1.72	
April	2.26	1.98	2.26	1.63	1.24	0.74	1.70	1.26	2.61	2.20	
May	1.85	1.43	1.83	3.02	2.90	1.69	2.21	3.17	0.94	1.99	
June	2.91	2.78	1.93	2.89	1.95	2.91	2.40	3.16	2.56	1.97	
July	3.59	2.45	4.69	3.78	1.23	4.83	4.09	5.28	4.36	3.04	
August	4.56	3.26	2.75	5.62	1.53	4.28	4.51	4.84	0.97	3.32	
September	3.02	2.07	3.02	5.46	3.27	4.57	2.46	3.27	1.12	2.36	
October	1.03	2.82	2.29	9.11	2.93	2.92	3.09	2.72	3.49	3.00	
November	5.56	2.49	6.34	5.58	1.80	1.79	2.15	1.84	5.40	4.50	
December	5.00	3.64	3.95	4.83	6.62	3.97	3.78	5.31	4.44	4.04	
TOTALS ...	39.19	28.95	33.42	50.78	27.87	33.58	37.36	37.71	30.32	33.85	
	M	M	M	M	M	M	M	M	M	M	

1955. Pump. H. 31mm 7.10. 9. sound. An auxiliary site on lower R.S. of River (Seawater)

4

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 26/80X639

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

Summary of Earlier Records from 10-year Sheets :

1916-1950 (40) P - Rejected

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	✓

Station No. 5182/1

65674

RAINFALL at Clarksford (Roughrigg Reservoir) No. 2.

51

County of LANARK Observer D. T. BROWN, Esq., C.E.

River Basin A - CLYDE - Right Bank Tribs.

Type of Gauge.

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

File No.

Diameter ...					5"		656	141			
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	1.44	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	
					i7c.	~P.	~P.	~P.	~P.	~P.	

N.P. Check gauge for 5182.

np. 934 check.

1960 np check

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 261802644

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

Summary of Earlier Records from 10-year Sheets :

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