

RAINFALL AT Shaws W.W. Duckall Moor

Lat.

Lon.

County of

Renfrew

Clyde, L. bank - 2.

Rain Gauge, by

Observer

R. Galbraith Esq C.E.
D Macalister Esq C.E.

Diameter										6	
Height										10	
Altitude						1150					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					7.50	1.50	4.00	2.00	5.90	9.90	
February					10.20	.50	4.30	5.90	6.60	4.20	
March					3.70	5.30	8.40	6.30	3.60	5.30	
April					3.90	4.70	3.50	4.30	4.70	6.00	
May					5.00	.10	1.00	3.50	2.80	5.30	
June					4.00	2.30	6.70	8.50	4.50	3.20	
July					4.10	6.50	7.30	3.90	2.70	5.90	
August					6.40	8.50	3.80	8.30	9.60	2.70	
September30	3.10	7.60	6.70	9.40	7.10	
October					5.80	6.00	5.50	4.10	5.20	6.90	
November					7.20	8.90	3.30	5.20	6.10	9.40	
December					5.80	6.50	8.20	7.20	10.50	5.90	
TOTALS					63.90	53.90	63.60	65.90	71.60	71.80	

RAINFALL AT Shaws W.W. Dunchall Moor

Lat.

Lon.

County of Renfrew

Rain Gauge, by

Observer D. Macalister Esq C.E.

Clyde, L. Bank - 2.

Diameter ..	6										
Height	10										
Altitude ..	1150										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MRAINS.
January ..	9.50	4.70	7.90	11.20	7.90	5.20	9.20	4.90	8.00	8.10	7.660
February ..	3.10	2.60	2.30	12.30	6.30	4.90	3.40	4.40	5.00	4.50	4.880
March40	3.80	6.50	12.00	4.40	8.20	4.40	6.20	7.70	3.30	5.690
April	4.20	5.50	3.60	2.60	6.90	3.90	2.50	4.60	2.50	6.50	4.2080
May	5.90	2.50	3.60	5.00	3.60	2.50	9.20	8.40	4.50	5.10	5.030
June	4.80	3.90	2.00	3.40	5.60	2.30	2.70	7.80	4.50	5.00	4.150
July	5.30	2.70	7.10	7.90	4.40	4.60	4.30	3.80	7.10	9.90	5.710
August	7.20	9.20	5.20	13.00	7.40	7.70	7.20	9.90	6.50	5.20	7.850
September..	7.60	6.70	6.40	6.20	9.10	5.50	3.20	2.60	12.70	3.70	6.370
October....	9.90	7.60	5.50	14.70	4.50	5.40	10.00	8.90	3.60	11.40	8.150
November..	7.30	7.70	9.00	6.50	5.10	9.00	7.10	7.70	6.30	5.30	7.100
December ..	11.60	6.30	9.10	6.90	6.10	6.60	6.50	10.20	7.90	9.50	8.070
TOTALS ..	76.80	63.20	68.20	101.70	71.30	65.80	69.70	78.90	76.30	77.50	749.40

Hib

RAINFALL at Shaws W.W., Duthall Moor

County of Renfrew Observer D. Macalister Esq. LL.B.

River Basin Clyde-left bank trib. 2

J. Macalister 1918.

Rain Gauge, by

Diameter ...	6									
Height	1 0									
Altitude ...	1150									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	9.00	8.30	8.40	8.10	7.10	7.10	9.15	3.30	7.10	5.40
February ...	9.50	15.10	8.50	4.70	8.40	9.50	8.00	1.50	11.50	3.10
March	4.60	2.50	11.90	7.70	8.40	4.20	4.00	2.00	3.50	5.10
April	6.60	6.50	3.00	7.20	5.30	5.30	6.70	2.40	1.30	3.80
May	4.30	6.30	3.50	4.20	3.50	1.70	7.60	5.00	4.00	1.40
June.....	2.30	5.80	9.20	6.20	1.70	(2.50)	3.10	4.20	2.10	5.30
July	6.40	5.20	4.10	1.60	2.70	4.30	3.10	3.10	5.10	1.50
August.....	8.80	7.30	9.00	2.30	5.90	5.10	4.80	5.90	7.40	4.10
September ..	3.00	4.00	5.10	3.70	3.70	2.30	3.00	5.70	9.20	5.70
October ...	5.10	7.40	11.10	6.00	5.60	5.50	10.20	11.80	11.20	1.30
November ..	5.70	10.20	6.00	9.30	9.10	4.80	9.70	12.30	9.50	5.50
December ...	13.10	16.30	13.90	5.40	10.80	7.90	7.20	4.10	9.00	11.10
TOTALS ...	78.40	94.90	93.70	66.40	72.20	(60.20)	75.55	61.30	80.90	52.80

June 1915. Gauge damaged. estd. by S.M.S.

Date.	Lat. N.	Long. N.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	55° 52' 25"	4° 45' 15"						

RAINFALL at Shaws H.W. Duthall Moor

County of Renfrew Observer J. MacAlister Esq. G.E.

River Basin Clyde - left bank trib. 2. Water Tmp: Greenock

Float Rain Gauge, by

Diameter ...	6											
Height	1	0										
Altitude ...	1150											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.	M.EAN.
January ...	9.90	14.70	6.90	10.50	8.10	8.90	12.10	11.90	16.10	5.10	11.40	
February ...	8.70	3.10	6.00	6.20	2.00	5.40	8.50	4.90	6.80	3.10	.80	
March	9.60	12.00	2.60	2.80	1.80	3.40	8.40	6.30	6.40	1.20	5.70	
April.....	3.70	2.70	4.80	4.70	5.70	9.60	3.20	6.90	3.00	2.20	2.20	
May	7.30	4.90	6.20	3.10	6.30	10.10	4.20	5.00	2.20	6.20	2.50	
June	2.70	1.00	3.80	2.30	3.20	1.70	4.70	6.00	3.70	4.40	2.90	
July	6.50	6.00	3.40	6.10	5.30	3.10	2.50	6.60	5.10	7.00	4.20	
August	8.20	8.90	4.90	9.40	6.00	5.30	4.60	8.00	6.50	8.10	8.50	
September...	3.90	3.90	4.40	13.30	10.20	5.80	5.20	10.70	5.80	3.70	5.10	
October.....	5.20	7.40	3.10	11.10	5.70	8.00	9.50	7.10	12.50	10.20	12.70	
November...	7.40	4.60	5.10	5.90	9.40	1.70	9.30	7.10	12.20	11.10	10.10	
December...	7.60	10.30	6.30	6.30	12.70	5.30	5.70	2.00	7.90	17.30	8.10	
TOTALS...	80.70	79.50	56.90	81.80	76.40	68.30	77.90	82.50	93.20	77.80	76.20	

¹⁹³⁰ As recommended by Mr. Glasspole a new 5" No gauge with surf wall was installed 20yds N. of existing gauge during XII/30. Readings of old & new gauges will be returned from 1/I/31.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 52' 25"	4° 45' 10"	Kilmalcolm					

RAINFALL at Shaw W.W. (Duchal Moor).

County of Renfrew.

Observer J. MacAlister, C.E.

River Basin 2-Clyde - Left Bank.

Type of Gauge Standard Barometer.

Annual Average 70.2 in. based on 29 years obs. un-weighted. Period of average 1881-1915 Ref. Survey. Computed x 1/36

Diameter	5	8	6 "									
Height		1	0									
Altitude			1150									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.90	13.20										
February	4.60	1.10										
March	2.30	3.40										
April	3.90	6.50										
May	6.50	4.10										
June	9.20	3.30										
July	6.40	5.70										
August	4.10	4.70										
September	3.00	7.20										
October	9.00	9.70										
November	12.50	5.90										
December	8.30	14.70										
TOTALS	74.40	78.50	N.R.									

1931. New gauge completed 15/12/30. 20 yds. N of old.

1932 N.P.

Gauge abandoned by J. MacAlister C.E. at end of 1934.

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
			Kilmalcolm.					

RAINFALL at Shaws W.W. (Duchal moor) (new gauge).

County of... Renfrew

Observer James Macalister M. Inst. C.E.

River Basin 2 - Clyde - Left Bank.

Type of Gauge Standard

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

Diameter	5"											
Height	1'											
Altitude	1150'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	8.70	12.50	9.90	11.90	4.20	8.10	13.30	12.90	6.50	5.20		
February	5.30	7.0	8.90	2.20	9.70	5.20	8.00	6.70	12.40	3.50		
March	2.90	3.80	5.30	4.80	3.70	6.90	2.10	11.00	6.70	9.00		
April	4.10	7.10	5.10	5.10	5.40	2.50	5.10	1.70	6.20	5.10		
May	6.90	4.00	5.30	5.30	1.00	3.80	2.70	6.50	2.70	1.50		
June	11.00	3.80	3.80	4.60	6.50	3.10	5.70	10.00	3.50	2.40		
July	7.30	7.00	6.20	5.60	3.50	9.80	6.70	7.70	9.20	5.00		
August	4.10	5.30	6.30	8.40	3.80	6.00	5.00	6.50	3.10	5.40		
September	3.70	7.60	1.20	10.30	10.70	7.20	6.70	9.40	5.00	8.70		
October	9.20	10.10	4.60	11.30	17.90	9.90	4.80	17.10	6.80	10.50		
November	13.40	6.30	4.60	3.90	8.80	7.30	2.00	15.90	15.10	12.10		
December	8.90	15.00	2.60	13.80	6.20	14.30	4.90	8.80	6.70	12.10		
TOTALS	85.50	82.60	63.80	87.20	81.40	84.10	67.00	111.20	80.90	80.50		

b Turf wall round gauge

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.			Kilmacolm					

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

659916

Station No.

529441

RAINFALL at $\frac{3}{4}$ Shaws W.W. (Duchal Moon) new g. 41

County of Renfrew Observer J. Mae Alistair, C.E.
 River Basin 2 - Clyde - Left Bank
 Type of Gauge Snowdon

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

File No.

Diameter	5"				659	916	*		
Height	1' 0"						1		
Altitude	1150'						41		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949
									1950 Means
January	3.20	(11.00)	10.40	11.10	(4.20)	12.60	10.10	11.90	(8.70)(6.50)
February	9.80	(2.50)	10.10	4.10	(11.00)	6.50	(2.00)	8.30	9.90 (8.30)
March	5.00	7.60	4.80	2.30	5.90	4.50	(5.00)	8.50	4.90 6.40
April	4.80	4.10	4.60	5.30	3.40	5.00	11.20	5.40	9.90 6.20
May	3.50	5.80	4.90	6.90	7.00	1.90	6.90	3.10	4.10 2.50
June	2.90	3.50	6.40	7.20	7.10	6.00	5.40	8.20	1.90 3.80
July	5.60	7.50	3.80	7.90	6.70	5.80	7.60	8.00	3.30 7.50
August	8.10	10.80	12.70	5.30	4.60	4.30	1.10	10.60	6.90 8.60
September	3.40	11.30	7.70	9.50	9.20	12.30	8.70	9.80	3.90 14.60
October	8.80	12.50	15.00	10.10	11.20	1.00	4.50	11.90	9.70 8.60
November	9.00	2.10	5.40	11.20	1.90	10.90	11.10	7.90	9.90 6.10
December	7.10	14.80	5.10	9.80	8.00	9.10	5.00	(0.00)	14.10 2.90
TOTALS	71.20	(93.5)	93.90	90.70	80.20	79.90	77.60	103.60	87.20 80.00

Jan + Feb apfd from map.	60000	1950. Jan + Feb apportioned.
1945 Jan + Feb apportioned.	30004	30004 00014 40004 60000

1946. Record eig - point with quarry. To be mapped.

1947 Still a little bit 60004

1947 Feb - Mar 25th for 1946 H.O. 3(6).

1948 Dec. est. moss and peatly ground. Jan (sum).

1949 Jan est by app with Dec

§ Turf wall round gauge. Air opt 1949 for saying no rainfall off this acc 5" to 1/2".

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
1941			Kilmacolm				

659916

RAINFALL at

§ 400 GREENOCK W.W. (Ordnance Survey Station No. 5294/1)

County of Penfrew.

Observer

J. Mac Alister Esq. C.E.

River Basin Clyde - Left Bank - 2

Corporation

Type of Gauge Slope-disk 15" (Bathurst) 1952

Water Engineer (Ref BR 1956)

Annual Average 75.9 in. based on 8 years obs. un-weighted. Period of average 1881 - 1912 Ref. P.B. 573
 " 83.45 " " 27 " 1931-59 " " 1916-50 " " S.
 File No.

Diameter	5"				659	916					
Height	1' 0"						1				
Altitude	1150'						51				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(7.10)	(8.40)	5.90	(9.00)	6.50	5.60	10.30	9.60	3.50	(6.70)	
February	5.00	(3.00)	4.90	(8.00)	(6.00)	2.90	6.20	5.20	2.90	(7.90)	
March	5.30	6.70	2.50	(6.80)	2.80	4.20	8.90	2.40	5.20	4.60	
April	4.90	4.10	4.50	4.70	5.80	2.20	3.50	3.50	5.10	8.70	
May	2.90	2.90	4.10	5.40	6.40	4.30	3.30	5.90	1.90	5.00	
June	2.90	5.10	2.10	7.80	5.40	5.30	3.50	5.30	5.00	4.50	
July	5.00	5.80	7.40	6.70	2.10	8.30	8.90	9.10	8.90	7.50	
August	6.00	9.10	6.60	8.50	2.60	8.30	7.50	7.30	2.50	4.80	
September	6.90	6.60	11.20	11.70	7.40	7.40	6.80	6.90	1.60	4.20	
October	2.70	10.20	6.20	14.60	7.20	3.90	8.90	7.10	8.80	5.30	
November	9.90	3.50	13.80	13.20	(4.60)	4.40	3.90	3.40	9.50	9.00	
December	12.80	7.80	8.90	10.30	(11.70)	10.80	9.20	9.80	13.60	9.20	
TOTALS	74.40	73.20	78.10	(106.70)	66.40	67.60	79.00	75.50	68.50	77.40	
	M	M	M	M	M	M	M	M	M	M	

1951 Aug 1st Thomas 15/6 g. sound. No observations but were sound site in Walkershaugh 20° E. An excellent site (well kept well). Doubtless it is of glaciogenic origin recorded in 1930 was carried out

1955 Feb - March est. by A.O. accepted by Eq.

1959 up to 1960.

1960 Jan/Feb apportioned M.O. Edin

40004 60004

40004 20034

60000

112

of steep wall found in map 1452

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 461234567...

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1954.			Kilmacolm			

Summary of Earlier Records from 10-year Sheets :

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