

# RAINFALL AT Earlsburn Reservoir

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Stirling

Rain Gauge, by \_\_\_\_\_

Observer Col Stirling

Fork, Rbank-1.

W.W. Neilson Esq. C.E.

Diameter ....									8		
Height .....							4.6		2.0		
Altitude ....							1205				
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....				2.80	8.90		3.00	2.00	4.15	7.70	
February ....				6.10	14.80	6.00	2.60	6.50	3.00	3.70	
March .....				1.70	4.50		4.10	6.50	1.83	3.60	
April .....				1.40	2.80	4.70	1.80	3.40	4.30	4.75	
May .....				2.70	4.70	1.10	.90	3.20	2.64	5.62	
June .....				3.90	4.20	2.70	6.70	6.09	2.90	3.50	
July .....				4.00	3.30	6.10	5.60	2.50	1.57	3.74	
August .....				4.90	5.70	9.10	3.20	7.42	4.70	1.85	
September....				3.30	.70	3.30	7.30	4.30	5.80	5.06	
October.....				7.00	5.40	3.80	3.20	3.74	5.85	5.60	
November....				3.50	5.50	7.20	3.20	4.78	7.50	8.40	
December ....				7.90	3.70	5.60	6.50	7.23	8.90	4.20	
TOTALS . . .				49.20	64.20	49.60	48.20	57.66	53.14	57.72	

1898 St Ninian Church 6 miles N

1895 Jan. & Feb. gauge frozen.

# RAINFALL AT Earlsburn Reservoir

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Stirling

Rain Gauge, by \_\_\_\_\_

Observer C. Masali Esq.

Forth, R. bank - 1.

Diameter ..	8										
Height ....	1 0										
Altitude ..	1202 <del>ft</del>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	6.50	3.00	5.10	11.30	5.20	<del>6.17</del> 2.40	9.70	4.50	8.10	8.15	6.772
February ..	3.30	1.51	2.00	8.50	4.63	<del>2.40</del> 2.50	3.08	5.50	2.70	2.40	3.602
March ....	2.50	2.55	3.57	10.90	3.17	<del>2.50</del> 6.20	5.01	6.13	7.10	4.50	4.793
April .....	3.28	4.35	2.05	1.27	5.60	<del>6.20</del> 3.25	2.12	3.58	1.90	5.15	3.550
May .....	3.42	2.93	3.15	3.30	4.80	<del>3.25</del> 2.90	7.16	6.85	3.95	5.00	4.381
June .....	6.30	4.63	2.20	3.40	3.17	<del>2.40</del> 1.30	2.25	7.50	4.05	3.06	3.946
July .....	3.40	3.60	4.70	3.40	3.73	<del>4.20</del> 2.80	3.45	3.97	4.50	5.00	3.705
August .....	4.90	4.50	3.62	7.75	7.30	<del>2.80</del> 7.64	6.10	8.15	7.25	4.35	5.672
September ..	5.30	5.43	4.20	4.50	6.30	3.50	3.00	1.00	9.25	3.00	4.548
October ....	6.80	5.18	4.45	11.60	3.40	4.14	7.40	9.30	2.90	10.84	6.601
November ..	6.80	3.40	5.10	2.90	2.10	7.80	5.70	5.10	5.85	3.50	4.825
December ..	6.85	5.50	8.30	4.20	<del>6.17</del> 7.23	7.23	3.75	8.40	7.25	5.60	6.725
TOTALS ..	63.35	46.58	48.44	73.02	55.57	<del>50.19</del> 51.66	58.72	69.98	64.80	60.55	59.120

1900 July 26<sup>th</sup> Gauge moved 235 yards S  
 1905 omitted } observer's recd. submitted with an enquiry V. 45

Had

## RAINFALL at

Earlsburn Reservoir

County of

Stirling

Observer

C. Massie Esq.

River Basin *Left - Right bank tribut.* 1

Rain Gauge, by

Diameter ...	8										
Height .....	10										
Altitude ...	1202	↑									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.24	5.00	6.50	5.40	5.17	4.07	9.27	1.83	6.30	3.90	
February ...	5.10	9.15	6.30	5.40	6.91	7.30	11.20	1.20	6.90	1.70	
March .....	3.87	2.56	7.70	7.70	7.25	4.43	3.88	2.25	2.35	2.25	
April .....	5.45	4.70	2.50	4.82	4.20	3.50	11.53	1.58	1.55	2.25	
May .....	1.38	3.45	2.40	5.40	2.87	2.08	6.62	4.48	2.95	1.48	
June .....	1.30	4.12	7.10	5.50	1.50	1.95	11.38	3.95	1.65	3.97	
July .....	6.55	3.20	3.30	1.17	3.50	4.02	11.70	1.75	3.30	1.40	
August .....	11.50	4.50	6.45	2.45	5.90	3.92	11.84	6.65	4.30	3.68	
September ..	1.50	3.12	3.50	3.76	2.78	2.90	1.90	4.15	8.30	4.38	
October ...	3.24	5.80	7.55	4.85	2.66	5.98	10.13	8.55	9.50	1.30	
November ..	3.75	8.65	5.80	8.75	8.52	3.30	9.20	8.45	6.62	5.53	
December ...	7.80	9.15	12.60	4.64	8.25	8.72	6.24	3.17	6.65	8.75	
TOTALS ...	55.68	63.40	71.70	59.84	59.51	52.17	69.89	48.01	60.37	40.59	

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



RAINFALL at Earlsburn ReservoirCounty of StirlingObserver G. Massie Esq. ccRiver Basin Forth-Right-bank tribe. 1.

Rain Gauge, by \_\_\_\_\_

Diameter ...	8											
Height .....	1 0											
Altitude ...	1202											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	9.70	11.19	4.20	3.57	5.45	7.50	9.96	6.30	10.50	3.58	10.09	
February ...	8.65	1.75	6.35	6.90	1.46	7.05	8.30	2.24	8.80	3.10	2.25	
March .....	6.50	8.95	4.21	3.65	1.58	1.10	4.01	5.60	8.48	1.00	5.41	
April .....	3.40	1.66	3.40	4.15	3.30	7.90	3.80	3.87	3.80	2.28	2.08	
May .....	5.70	4.30	5.25	1.40	7.56	8.74	4.27	3.33	2.15	5.55	2.70	
June .....	2.30	.50	2.35	2.17	2.88	1.06	4.51	5.32	8.15	3.25	3.20	
July .....	5.95	5.40	5.80	5.90	6.39	1.82	3.87	4.89	5.10	5.00	6.23	
August .....	7.20	8.40	4.29	7.74	4.56	6.25	4.54	8.05	7.25	8.10	8.49	
September...	3.25	3.55	3.74	7.29	7.34	5.04	3.88	7.25	6.70	1.48	7.75	
October .....	2.62	5.24	2.44	7.45	4.57	5.26	5.15	10.23	11.29	8.02	9.50	
November...	7.55	4.59	4.35	2.05	5.42	1.92	12.03	7.33	10.50	11.79	8.90	
December...	6.76	10.50	5.32	2.18	11.52	5.72	2.25	2.30	6.05	13.27	5.82	
TOTALS...	69.58	66.13	51.70	54.75	62.03	59.36	66.57	66.71	88.77	66.42	70.42	

1923. Referred to obs. who agrees that the record should be regarded as defective - much too low -

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	Parish Church.	Distance from gauge	Direction
1928			Stirling			St. Minima		

RAINFALL at Earlsburn Reservoir.County of StirlingObserver G. Macle, C.E.River Basin 1-Forth-Right Bank.Stirling & Falkirk W. Bd. (1932)

Type of Gauge .....

Annual Average 56.8 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. SummaryComputation XII/36

Diameter	8.										
Height	1.0.										
Altitude	1202.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.63	11.08	5.57	11.53	2.27	8.21	7.50	10.06	6.26	3.50	
February	5.10	07	6.16	7.5	7.01	3.83	5.98	3.39	7.77	5.04	
March	1.63	2.70	4.12	4.58	2.38	4.70	4.25	6.11	5.15	5.43	
April	3.20	5.68	2.37	6.15	5.13	2.20	3.40	1.01	3.24	4.79	
May	5.48	4.63	3.75	2.79	.43	1.32	3.19	5.92	.84	1.47	
June	6.28	1.38	1.69	3.67	7.89	2.41	4.05	7.86	3.42	1.03	
July	6.18	5.28	4.41	4.03	1.73	6.62	4.56	6.24	8.20	6.03	
August	3.60	2.14	3.62	6.47	2.82	3.49	3.69	2.71	2.45	2.40	
September	2.11	4.82	1.84	7.25	7.87	5.00	4.41	6.36	2.68	3.21	
October	4.92	7.46	4.93	9.37	13.98	6.67	5.30	11.63	4.94	7.66	
November	11.48	5.41	4.10	1.70	5.42	4.23	.87	10.69	11.25	8.50	
December	4.14	12.06	1.35	9.94	4.03	8.36	3.22	5.37	3.44	6.32	
TOTALS	57.75	62.71	43.91	68.23	60.96	57.04	50.42	77.35	76.4	55.38	
	M	M	M	M	M	M	M	M	M	M	

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	Parish Church.	Distance from gauge	Direction

Station No. 5553

## RAINFALL at Earlsburn Reservoir

41

County of Stirling

Observer Stirling &amp; Falkirk W. Rd.

River Basin Firth, Right Bank

Type of Gauge

Annual Average 5.3 in. based on 42 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 5

File No.

Diameter	8"				896	078					
Height	1' 0"					1					
Altitude	1202'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(2.42)	7.75	7.55	8.19	(3.00)	8.60	8.81	8.85	9.66	4.50	
February	(5.42)	2.75	6.27	2.86	(9.80)	5.07	(2.50)	7.26	6.93	8.42	
March	(2.73)	3.73	4.04	.93	6.64	4.96	(5.80)	(7.47)	2.45	4.46	
April	(2.81)	4.71	5.49	4.57	4.50	2.45	11.46	(5.83)	6.26	5.11	
May	4.38	4.14	4.70	4.40	7.48	2.10	4.68	2.33	2.70	2.90	
June	1.27	2.28	5.05	4.52	7.77	6.63	3.40	7.41	2.13	2.75	
July	3.93	3.00	3.37	4.06	5.91	6.01	5.50	6.13	3.72	4.90	
August	5.29	8.62	9.02	4.60	4.46	5.65	000	13.55	6.48	8.20	
September	2.14	8.01	4.61	6.06	8.62	10.24	7.03	9.81	3.40	12.87	
October	6.37	7.02	12.09	7.37	10.27	1.18	4.84	8.15	7.92	5.73	
November	6.14	1.47	3.65	9.60	1.51	10.30	8.83	(5.67)	6.16	4.35	
December	5.49	8.90	3.27	8.02	6.75	6.84	2.03	(9.51)	11.75	4.45	
TOTALS	48.39 M	62.38 M	69.11 M	65.17 M	76.71 M	70.03 M	64.88 M	91.97 M	69.56 M	71.64 M	

1945 n.p. high Jan. & Feb. amended.  
 1947. Feb. & Mar. etc. for snow.  
 1948 March & April and Nov. & Dec. app.

74000

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. 5353RAINFALL at Earlsburn Reservoir

51

County of Stirling Observer Stirling & Falkirk W. Bd.River Basin North-High Bank-1Type of Gauge SnowdonAnnual Average 56.8 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. 5  
63.44 " 42 " within 1916-59 1916-1950 3  
File No. \_\_\_\_\_

Diameter ...	8"				896	078						
Height ...	1'0"					1						
Altitude ...	1202'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.13	4.76	2.61	(6.30)	3.85	5.20	10.20	6.63	1.93	5.81		
February ...	(3.49)	1.71	2.66	5.78	3.62	2.00	5.57	3.20	2.52	5.86		
March ...	(5.01)	6.19	1.67	4.76	2.51	3.19	6.47	2.94	3.88	3.05		
April ...	4.23	2.65	3.52	2.41	2.65	1.10	2.65	1.94	4.41	5.80		
May ...	2.51	2.34	4.50	6.44	4.51	3.62	3.60	4.85	1.67	4.27		
June ...	2.88	5.06	2.29	4.08	2.60	4.77	2.62	5.20	2.84	3.15		
July ...	5.12	3.01	7.30	3.26	1.58	6.76	6.15	7.76	6.33	5.66		
August ...	8.85	7.71	4.05	6.09	1.50	7.71	5.55	6.52	1.94	4.94		
September ...	5.02	4.02	7.09	8.21	5.43	7.39	4.35	5.43	1.53	4.30		
October ...	1.31	6.47	4.10	11.53	4.84	5.89	5.71	6.40	5.25	5.85		
November ...	10.09	2.41	11.20	8.40	3.21	1.47	2.97	2.24	7.41	8.12		
December ...	9.36	5.09	7.78	9.61	8.20	8.95	8.61	8.57	9.95	6.60		
TOTALS ...	62.00	51.42	58.77	76.57	44.50	58.05	64.45	61.68	49.45	63.41		
	M	M			M	M	M	M	M	M		

1951 Feb + Nov. app. by Engineer.  
 In June 1959. An excellent site but g. set in pipe above rain in line  
 above g. level. This should be removed.

30000

40000

Position of Station on Ordnance One-Inch map: No. of Map \_\_\_\_\_ National Grid Reference 26/702893

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
	✓	✓ but n.p. 23	✓	✓ ap 45	
	—	—	M but 51-58-	M	