

# RAINFALL AT Duntocher Loch Cochrane

Lat. ....

Lon. ....

County of Dumbaraton

Sunderdon Rain Gauge, by N+3

Observer J. D. Mackie Esq. Ch.

Clyde - R. bank - Lt.

Y. L. Rae Esq. G.E. (09)

Diameter ..							5				
Height ....							10				
Altitude ..							...	909 $\pi$			
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							5.06	4.12	5.86	5.26	
February ..							3.39	4.04	4.35	3.17	
March ....							4.24	5.50	5.78	2.11	
April .....							2.11	2.69	1.99	4.80	
May .....							7.15	6.05	3.58	4.14	
June .....							2.16	5.37	3.25	3.44	
July .....							4.11	2.39	4.27	5.88	
August ....							5.72	6.89	4.84	4.82	
September ..							3.00	2.30	8.64	3.15	
October ....							7.70	6.17	2.20	7.35	
November ..							5.53	4.17	4.19	3.84	
December ..							6.15	6.91	5.07	5.82	
TOTALS ..							56.32	56.60	54.02	53.78	

1907 Duntocher Ch 2 mls. N. (09)  
 3 Miles S  
 3 1/2 N. (09)  
 4 1/2 " N S  
 Gauge on "Peal Moor"



RAINFALL at Kilpatrick Hills, Loch Gochno.County of Dumbarton Observer J. L. Rae Esq. G.E.River Basin Clyde - Right bank tribs 34.Snowdon Rain Gauge, by N. & L.

Read Weekly.

Diameter ...	5										
Height .....	10										
Altitude ...	909 <sup>+</sup>										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.98	4.53	3.82	3.98	6.19	4.24	10.14	4.75	5.42	5.61	25.92
February ...	4.35	7.65	4.48	3.68	4.78	4.54	4.98	1.50	7.38	1.34	14.20
March .....	2.56	1.93	7.38	5.42	6.52	4.00	4.28	2.28	1.71	1.91	10.18
April .....	4.26	3.25	2.90	3.98	2.99	3.71	5.53	2.50	1.30	2.91	12.24
May .....	2.51	3.19	2.46	4.83	2.20	1.13	6.14	3.39	2.86	1.66	14.05
June .....	2.35	4.21	6.01	3.62	1.15	2.54	4.75	3.92	1.55	4.74	14.96
July .....	3.78	5.12	3.22	1.69	3.94	5.75	6.42	2.73	4.74	2.18	16.07
August .....	11.29	2.58	3.92	1.81	7.12	2.66	4.95	5.15	5.11	3.61	18.82
September ..	2.57	3.91	4.65	2.57	3.73	2.07	1.61	6.94	6.65	4.91	20.41
October ...	3.99	1.52	6.39	2.73	2.72	5.29	9.80	8.32	8.71	2.25	29.08
November ..	3.97	9.18	3.32	7.82	6.29	3.12	8.12	8.87	5.85	5.26	28.10
December ...	5.80	9.43	12.69	4.72	6.60	5.49	6.98	2.51	4.84	7.89	22.22
TOTALS ...	52.41	56.50	61.24	46.85	54.23	44.54	73.70	52.86	56.12	43.27	225.95

1912. G. frozen in last week of November

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Singers.	2				



RAINFALL at *Helpatrick Hills, Loch Cochno.*

County of *Dumbarton* Observer *J. L. Rae Esq C.E.*

River Basin *Glyde - Right-bank tribs. 4.* (1926) *E. J. Collins Esq.*

*Snowdon* Rain Gauge, by *N. J.*

Diameter ...	5											
Height .....	1 0											
Altitude ...	909											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	6.00	9.78	5.81	6.33	6.26	5.21	8.10	5.85	12.38	3.00	8.29	44.01
February ...	6.11	2.06	4.72	6.92	1.38	4.95	9.68	3.22	5.70	(2.38)	.40	47.52
March .....	5.57	7.14	2.72	1.50	1.29	1.90	4.35	5.31	6.20	(1.04)	1.21	38.23
April .....	3.95	1.36	2.74	4.18	2.79	5.93	3.13	5.35	2.57	1.23	1.78	35.01
May .....	5.85	2.70	5.44	2.98	5.15	6.91	3.36	3.55	2.00	3.72	3.32	44.98
June .....	3.42	.90	2.33	1.59	3.11	1.72	5.12	4.85	6.95	2.65	2.64	35.28
July .....	6.61	3.36	2.88	6.52	5.33	2.13	3.27	3.86	5.25	5.33	4.87	49.41
August .....	6.74	9.12	3.68	8.01	6.82	4.36	3.73	6.31	8.45	7.19	6.56	70.97
September...	3.72	3.34	3.15	8.55	5.82	5.29	3.66	5.56	4.99	3.06	4.67	51.81
October .....	2.04	5.60	3.00	8.17	4.32	4.43	9.01	8.35	8.98	7.02	7.06	67.98
November...	5.56	4.23	5.06	3.80	4.37	1.12	6.60	3.60	8.07	8.77	7.15	58.33
December...	5.30	10.10	3.89	3.01	7.58	4.40	3.40	1.70	4.72	12.37	6.25	62.72
TOTALS...	60.87	59.69	45.42	61.56	54.22	48.35	63.41	57.51	76.26	57.76	54.20.	639.25

1929. Feb. & Mar. est'd. & frozen.

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	Parish Church.	Distance from gauge
1911			<i>Singers</i>	2		<i>639.25</i>	



RAINFALL at Kiepatrick Hills (Loch Cochas)

County of Dumbarton Observer E.T. Collins, C.E. Esq.

River Basin H - Clyde - Right Bank

Type of Gauge .....

Annual Average 52.8 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. Survey  
computed x11/36

Diameter	.....	5.										
Height	.....	1. 0.										
Altitude	.....	909.										
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....	4.54	10.32	5.19	6.65	2.94	7.64	6.54	9.80	5.76	(3.00)	62.38
February	.....	5.65	.00	4.50	.91	6.46	3.06	5.72	3.82	6.75	2.06	38.93
March	.....	3.74	3.16	2.65	2.44	2.74	3.57	1.83	5.58	4.91	5.80	36.42
April	.....	2.67	4.57	3.05	3.32	3.96	1.57	2.51	.99	3.56	4.21	30.41
May	.....	5.56	3.59	3.08	3.12	.61	1.78	1.89	4.59	2.22	1.79	28.23
June	.....	7.05	1.99	1.83	2.51	5.57	3.42	6.03	8.94	2.83	1.45	41.62
July	.....	4.81	2.15	4.82	2.63	2.94	5.78	4.38	4.95	8.47	5.49	46.42
August	.....	4.38	3.27	4.46	7.89	2.66	4.62	3.21	3.74	3.04	3.17	40.44
September	.....	1.73	4.25	.66	6.10	8.06	4.73	3.81	7.16	3.59	5.56	45.63
October	.....	5.01	7.41	3.64	9.90	12.89	7.36	5.32	10.81	3.38	7.34	73.06
November	.....	8.28	3.89	2.03	2.34	5.44	5.34	1.91	10.99	10.07	7.20	57.49
December	.....	4.15	7.45	1.10	7.30	4.28	8.02	3.37	3.63	3.08	6.00	48.38
TOTALS	.....	57.57	52.05	37.01	55.11	58.55	56.89	46.52	75.00	57.64	53.07	549.41

1940 Jan corrected for snow.

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	Direction	Parish Church.	Distance
				from gauge			from gauge



RAINFALL at Kilpatrick Hills (Loch Cochna)

Station No. 5339

County of Dunbarton

Observer F. T. Collins, Esq.

River Basin H. Clyde - Right Bank

J. E. McWilliam, Esq. 1948

Type of Gauge Snowden

Annual Average 52.8 in. based on 27 years obs. un-weighted. Period of average 1881 - 1915 Ref Survey

X

File No.

Diameter	5"				661	287					
Height	1'0"					1					
Altitude	909'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	SUMS Means
January	(150)	(4.50)	6.71	7.54	(3.00)	6.79	5.70	6.51	7.38	5.47	55.10
February	589	(1.80)	5.51	2.81	(8.86)	3.78	(1.00)	6.54	6.56	5.60	48.35
March	3.17	(5.10)	4.01	1.30	3.58	3.28	(5.79)	5.12	4.19	3.56	39.00
April	2.25	3.47	5.35	3.65	3.56	3.09	7.27	4.10	6.50	4.88	44.22
May	4.46	4.26	4.05	4.18	5.14	1.55	4.23	1.25	3.08	1.76	33.96
June	1.62	2.55	5.80	4.93	4.34	4.20	5.65	6.95	1.40	3.18	40.62
July	4.75	4.57	2.75	3.83	4.66	4.96	5.44	4.54	3.54	8.82	47.86
August	6.22	7.78	7.89	3.53	3.01	4.16	0.00	9.73	6.17	4.16	55.65
September	2.68	7.49	4.99	6.16	7.22	9.15	6.45	8.45	3.58	10.48	66.65
October	6.60	10.11	11.34	5.97	7.57	0.69	2.96	9.76	7.31	5.97	68.28
November	4.18	1.42	4.04	7.24	1.09	8.36	8.20	5.68	5.48	3.57	49.26
December	4.02	6.18	2.74	8.58	4.78	5.27	4.52	6.65	10.88	2.74	56.36
TOTALS	47.34	59.23	65.18	59.72	56.81	55.28	57.21	75.28	66.07	63.19	605.31

1941 Jan estd.

1942 Jan - Mar estd.

1945 Jan & Feb. alt. cond. for snowfall.

1947 Feb & Mar. app. for snow

1948 & 49 falling off. E. asked to enquire about g. site.

1948-49 somewhat helpful off but inquiry states gauge sand. 7/50

7/50 gauge on open moorland, grass 3 in. high

1950/ Jan/Feb had alt. as gauge frozen Dec/Jan's alt gauge frozen.

40004 70004

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
			Dalmuir	3 m.	S.	Huntocher	2 m.	S.



Station No. 5339

RAINFALL at Kilpatrick Hills (Loch Cochno)

51

County of Dunbarton Observer J. E. McWilliam Esq.

River Basin Clyde Right Bank - 4 Clydebank and District

Type of Gauge Snowdon Water Trust

Annual Average 52.8 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter ...	5"				661	287					
Height ...	1'6"					1					
Altitude ...	909'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.96 (4.50)	3.52	5.76	3.30	(3.07)			4.79	2.42	4.49	
February ...	2.75 (2.64)	3.44	(5.70)	2.12	(1.49)			2.58	2.77	4.17	
March ...	4.28 4.52	2.00	(3.66)	1.55	3.51			2.25	2.86	2.41	
April ...	3.08 2.61	2.53	2.74	3.11	.73			2.04	3.98	4.84	
May ...	1.52 2.17	2.31	5.46	5.77	2.50			4.24	1.37	3.09	
June ...	3.02 4.86	2.04	4.73	4.26	2.77			3.70	3.64	3.47	
July ...	5.72 4.37	7.00	4.95	1.76	-1.00			6.14	7.46	5.91	
August ...	7.50 5.47	5.05	6.39	1.22				5.60	1.37	4.12	
September ...	4.25 3.56	5.67	8.81	6.73				4.62	1.93	3.77	
October ...	1.80 6.09	2.40	11.77	4.72				5.62	5.61	3.70	
November ...	6.62 2.79	9.91	8.05	3.13				2.47	6.75	5.99	
December ...	8.06 6.19	6.44	8.60	7.80	-1.00			4.82	6.87	6.35	
TOTALS ...	44.77 55.56	49.77 W	52.31 W	76.62 W	45.47 W	-1.00 m.p. line		48.87 n.p.	47.03 n.p.	52.31 n.p.	

1955. Temp. H. 3.0 mm 28.9. g. 2.0 mm but not with wooden peg at 9". 2.0 mm over 1.7 slope to back for SE to SW ground rises in other directions g. 1.0 mm moved to new one installed 400 x 3.14 in hollow at about same altitude protected by rising ground on all sides

1958 n.p. check.

1959 n.p. check.

1960 n.p. check

1951 record received from Met. O. Edm. 7/68

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 26/489765

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P. (Dunb) - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	-	- but w 30	w	w but - 41-42	



RAINFALL at Kilpatrick Hills (Loch Cochno) n.g.

County of Dumbarton      Observer Hydebank District Water Grant

River Basin

Type of Gauge

51

Annual Average 58.62 in. based on 4 years obs. un-weighted.      Period of average 1956-59      Ref. 1916-50      File No. 8

Diameter ...			661	288		5"					
Height ...				1		1'					
Altitude ...				51		915'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...						4.31	7.47	5.16	2.11	4.73	
February ...						1.97	4.82	3.30	2.64	4.85	
March ...						3.71	6.99	2.26	3.05	2.66	
April ...						1.15	2.53	2.20	3.65	4.76	
May ...						3.21	3.13	4.29	1.38	3.24	
June ...						3.20	2.98	3.84	3.62	3.52	
July ...						6.62	5.67	6.30	4.58	6.12	
August ...						5.86	7.16	5.51	1.35	4.11	
September ...						6.86	4.12	4.44	2.03	3.75	
October ...						4.07	7.00	5.91	5.47	3.64	
November ...						2.44	2.47	2.42	6.60	6.26	
December ...						8.23	7.01	5.09	7.08	6.35	
TOTALS ...						51.69 W	61.35 W	50.72 W.	46.56 W.	53.99 W	

Annual average 58.62 in. based on 4 yrs obs. 1956-59.      Period of average 1916-50      Ref.   

Position of Station on Ordnance One-Inch map :      No. of Map         National Grid Reference 26/488763

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