

## RAINFALL AT Gamehope Loch Edinburgh No 4

Lat.

Long.

County of Peebles

Rain Gauge, by

Observer W. A. Tait Esq. E.

Tweed, R. Bank - 1.

Diameter .....										5		
Height .....										1 3		
Altitude .....										1860 ft		
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January .....							387	207	440	768		
February .....							432	662	360	767		
March .....							920	915	185	672		
April .....							252	550	770	642		
May .....							93	396	287	508		
June .....							590	583	431	237		
July .....							740	450	157	547		
August .....							433	1354	730	260		
September....							998	470	550	560		
October.....							615	588	892	602		
November....							277	661	750	1267		
December ....							1028	1540	970	242		
TOTALS . . .							6765	8376	6522	7072		

1896-02. Monthly totals entered from P. Y. 28.XI.1913.

## RAINFALL AT Gamleshope Loch Edinburgh Lat. W. N. 4.

Lat. .... Lon. .... County of Peebles  
 Rain Gauge, by ..... Observer W. Anderson Esq.  
2weed, Upper, R. Bank - 1. W. A. Tait Esq. Cl.

Diameter .....				5										MEANS.
Height .....				1 3										
Altitude .....				1860 ft										
Year .....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909				
January .....	6.00	3.42	4.95	10.15	6.38	1.89	5.56	1.80	5.41	(7.38)				
February .....	.80	2.15	1.65	10.20	(4.11)	1.85	2.23	2.93	3.82	(2.35)				
March .....	3.30	2.12	3.68	20.93	(4.31)	6.08	2.85	5.12	6.91	(7.01)				
April .....	3.38	5.06	4.41	1.52	6.00	5.43	1.65	3.38	1.88	4.61				
May .....	6.87	3.28	2.65	4.21	5.44	4.96	7.40	7.19	3.86	3.91				
June .....	8.58	5.15	1.79	3.31	6.35	3.52	2.80	8.91	5.04	3.33				
July .....	5.28	1.99	3.49	6.06	6.12	4.38	4.88	4.74	5.28	6.99				
August .....	6.35	8.15	3.98	10.40	(0.00)	7.66	10.06	7.80	6.28	3.71				
September .....	6.70	9.10	4.38	15.10	6.82	4.12	2.08	1.20	10.32	3.15				
October .....	7.72	7.40	4.87	16.85	3.71	4.45	10.60	13.40	3.08	15.08				
November .....	7.13	3.42	6.87	4.30	2.45	7.75	6.48	6.19	5.30	2.88				
December .....	15.57	4.00	7.74	5.20	5.50	5.07	2.13	7.99	5.41	(7.33)				
TOTALS .....	74.68	55.24	50.46	98.23	(64.19)	59.16	61.25	70.65	62.59	(67.93)	66.42			

1896-02. Monthly totals entered from P.T. 28.XI.1913.

1903 September Gauge tampered with - average taken of remaining gauges

1904 Feb & March Gauge frozen months divided in proportion of the average of the other gauges

August Gauge tampered with average of other gauges.

1906 Feb captured & end of following month divided proportionally with average of other gauges

July Tampered with

1909. The Trustees of the Edinburgh M.W. would not sanction the printing of our corrected and revised figs and the original total was printed with a ? (61.73?)

Orig. fig were Jan. 5.88 Mar. 4.01 Year. 61.73?  
Feb. 1.85 Dec. 6.33

## RAINFALL at Gameshope Loch, Edinburgh N.W. No. 4.

County of Peebles

Observer Messrs Leslie & Reid C.Z.  
W.A. Tait.

River Basin Tweed freight bank trib. I.

Rain Gauge, by

Diameter ...	5											
Height .....	1	3										
Altitude ...	1860	ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	4.64	4.51	7.22 (10.78)	5.41	4.82	11.25	3.04	8.80	6.00	6.64	7	
February ...	7.59	7.07	6.54	5.77	14.13	12.46	8.75	2.05	10.85	1.10	7.63	1
March .....	7.74	3.16	10.49	11.29	9.40	2.15	7.53	2.48	3.70	3.66	6.16	0
April .....	6.30	7.62	1.11	9.51	4.44	3.70	6.71	4.05	.85	4.44	4.87	3
May .....	3.08	5.98	2.58	7.21	3.66	2.00	6.10	5.70	5.00	2.42	4.37	5
June .....	2.28	4.65	9.08	4.70	2.47	1.88	4.07	4.50	2.15	3.75	3.95	3
July .....	8.43	4.38	6.72	1.06	4.30	6.53	6.07	3.00	6.00	2.05	4.85	4
August .....	11.39	5.61	6.90	3.03	6.24	3.96	6.02	12.50	4.00	6.40	6.60	5
September ..	1.43	2.90	3.48	4.20	2.80	2.32	3.47	6.20	10.30	7.80	4.49	0
October ...	5.18	5.41	7.07	7.61	3.63	3.46	11.50	11.00	12.60	3.45	7.09	1
November ..	3.55	10.49	4.99	7.32	9.08	4.05	10.70	7.70	7.10	5.90	7.08	8
December ...	7.71	14.42	15.18 (5.33)	13.41	12.96	7.00	3.20	7.90	11.33	9.84	4.4	
TOTALS ...	69.32	76.20	81.36	77.81	78.97	60.29	89.17	65.42	79.25	58.30	73.60	9

1915 July &amp; March divided by Observer

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

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RAINFALL at Edinburgh Water Works (Gowrie Lock) 4

County of Pebbles, Observer George Leslie & Reid C.E., M.

River Basin / Trace, upper, R. bank.

### *Rain Gauge, by*

Diameter	5"										
Height	1.5										
Altitude	1860										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January	(8.02)	11.15	5.10	7.50	7.83	6.45	11.33	7.79	7.05	4.63	10.94
February	7.93	1.24	7.88	8.00	1.00	3.92	7.33	3.75	2.91	2.41	.64
March	10.70	12.62	4.80	3.95	1.25	2.25	2.15	5.81	8.64	1.52	4.60
April	7.40	1.24	5.40	4.00	5.30	7.03	4.94	3.30	2.40	1.84	3.31
May	9.10	5.10	4.59	3.40	6.85	11.22	6.30	4.81	2.46	6.00	3.05
June	2.78	9.5	4.15	2.30	4.35	1.23	6.84	6.90	7.90	3.14	4.81
July	7.90	7.00	9.00	6.25	8.10	2.60	4.97	6.69	4.53	7.67	6.40
August	7.15	8.90	6.10	13.10	8.85	6.19	7.14	9.00	12.07	9.10	10.20
September	4.89	1.50	3.45	8.65	8.62	4.50	5.94	9.86	6.00	1.40	7.19
October	4.02	6.88	6.30	12.02	7.00	9.21	5.15	10.14	15.10	9.14	17.04
November	4.84	3.98	4.20	5.45	5.60	2.25	8.00	7.30	11.39	12.46	7.14
December	9.14	8.58	(7.50)	6.43	18.30	5.67	2.30	2.95	5.60	11.79	6.00 *
TOTALS	(82.69)	61.52	(68.47)	81.35	83.05	61.52	72.39	78.30	96.05	70.60	(81.32)

1922. Dec. proportioned

Site inspected by Dr. Glasspole 19.9.29.

1938. "Pee" "frozen, average taken

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

*Reference No.*

## RAINFALL at Edinburgh W.W. (Garnishope Loch) No. 4.

County of Peebles

Observer Messrs Sealif &amp; Reid, G.E.

River Basin - Tweed Upper - Right Bank.

Edinburgh Water Engineers (1937)

Type of Gauge

Annual Average 7.56 in. based on 23 years obs. un-weighted. Period of average 1.881 - 1.940 Ref 5

Diameter	5"					8				5"	
Height	1' 8"					1.6					
Altitude	1860'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.70	14.23	11.52	14.12	3.10	7.60	11.23	10.00	8.08	1.88	
February	4.00	3.30	(4.73)	.87	6.30	4.85	4.10	5.32	9.28	2.25	
March	(3.04)	4.00	5.63	4.80	2.67	3.80	2.39	4.87	5.90	7.18	
April	4.10	5.32	3.85	7.30	6.70	2.05	4.40	.80	3.43	3.20	
May	7.23	4.98	2.66	5.78	1.50	1.30	3.22	9.83	1.47	2.21	
June	10.74	3.08	2.65	3.22	7.70	6.12	5.72	12.20	7.00	2.22	
July	7.74	10.05	7.20	4.50	2.75	6.80	6.92	9.68	8.71	8.52	
August	3.80	2.05	3.80	10.90	2.40	5.23	5.07	3.83	2.31	3.08	
September	2.24	7.35	2.17	10.33	9.15	6.30	6.22	7.20	2.80	6.07	
October	6.25	11.25	4.97	10.60	9.66	6.30	6.92	11.73	6.20	7.38	
November	14.95	5.05	4.06	2.43	7.80	6.72	1.53	14.19	11.93	8.55	
December	7.50	15.90	1.90	14.75	3.95	11.70	5.02	7.09	(3.00)	(6.30)	
TOTALS	76.29	83.56	(54.82)	8.9.10	62.67	68.47	61.74	96.74	(70.11)	58.84	72.34

1931 March adjusted for dusting areas.

Gauge found to be leaking on 1/1/37

1933 Feb adjusted for loss of snow.

1936 Garnishope Loch. Open 1 miles.

1940 Dec std. from weather station.

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
1936			Broughton	17 mi. N.E.		Tweedsmuir	7 mi. N.	

Station No. 5968

## RAINFALL at Edinburgh W.W. (Gameshope Loch) No. 41

County of Peebles

Observer Edinburgh Water Engineer

River Basin Tweed, Upper-Right Bank

Type of Gauge 8" standard

Annual Average 68.7 in. based on 33 years obs. 1st-weighted. Period of average 1881-1915 Ref. S.I.W.S.

File No.

Diameter	8"			905	318						
Height	1' 6"					1					
Altitude	1860'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(2.80)	(5.50)	10.00	8.52	(5.25)	8.90	(10.33)	6.34	(6.56)	(3.89)	
February	(1.20)	(2.20)	5.93	(2.50)	(8.00)	(4.00)	(3.67)	6.52	6.23	(1.59)	
March	(4.40)	(3.00)	1.75	(0.75)	5.60	(4.50)	(3.95)	5.82	1.80	(1.02)	
April	(2.00)	6.80	11.09	4.02	3.01	1.46	12.56	3.62	6.91	4.57	
May	5.60	8.20	5.52	3.75	6.84	1.65	4.53	3.43	4.34	2.81	
June	1.54	1.45	6.79	5.20	6.85	5.78	6.37	8.25	2.24	4.32	
July	4.80	5.63	4.53	3.70	5.14	7.34	4.58	5.48	3.20	7.64	
August	8.24	10.85	9.61	4.49	2.52	7.11	.07	10.44	6.31	8.82	
September	4.67	8.11	5.91	6.42	9.52	12.18	6.54	7.56	3.48	13.10	
October	6.04	7.53	13.81	6.44	8.30	1.34	3.62	6.57	10.53	6.54	
November	10.57	2.22	3.85	9.12	.72	14.77	7.28	6.00	6.67	6.15	
December	3.92	(12.00)	4.37	(8.50)	6.03	4.60	2.87	(10.95)	8.08	(2.80)	
TOTALS	(60.78)	(73.49)	16.16	63.41	67.78	73.63	71.37	80.98	66.35	75.35	
	M	m	M	M	M	M	M	M	M	M	

1941 Jan-April app. + 67. 687d. 30014 60000 30004 70004 00014  
1942 Jan-Mar app. Dec + Jan + Feb 1943 app.

1944 Feb + Mar. app. See part catd.

1945 Jan + Feb. app.

1946 Feb + March app. &amp; past catd.

25-8-47 Inspected by Dr. Hamond. New gauge to be installed on site selected by Dr. Hamond.  
100 yds away1947. 100 yds away 15 ins. app. Jan - Margravine above (One off 8.20, 3.00, 7.70, year 67.32 in) H.R. 5/63  
Average (68.2) Margravine 1946 1948 10.10. 26.04. 3.69 app. by Engineer. 1949 10.10. 26.04. 3.69 app. by Engineer.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map Reference No. PT(36) 13163

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1941			Broughton	17 mi	N.E.	Tweedsmuir	7 mi N.
	70004	70012					

Station No. 5068/1

RAINFALL at Edinburgh W.W. (Gateshouse Loch) New Site (1950) 41

County of Peebles Observer Edinburgh Water Engineer

River Basin 1-Tweed, Upper Right Bank.

Type of Gauge.

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

File No. ....

Diameter			905	319		5					
Height					1		1' 0"				
Altitude					41			1900 (approx.)			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January							-100	8.38	(8.32)	(5.23)	
February								8.01	9.00	(10.21)	
March								7.63	2.38	(9.46)	
April								4.13	8.60	6.62	
May								3.76	4.78	2.87	
June								9.10	2.57	4.98	
July								6.49	3.54	8.79	
August								11.72	7.28	11.50	
September								9.00	4.25	16.46	
October							-100 #	8.64	12.00	8.44	
November								10.37	6.62	9.00	7.05
December								3.90	(3.86)	12.87	(3.50)
TOTALS							-100 inc.	97.34	84.59	95.11	
							m	m	m	m	

1946 Jan. approx. Jan 1st by Eng. Eng.

1950 Jan, Feb, Mar &amp; Dec add by Engances.

00014 40004 70014

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

Station No. 5068/1

## RAINFALL at 6 Edinburgh Ww (Yesterdale Loch) N.W.

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County of Peebles Observer Edinburgh Water Engineer

River Basin! Tweed Upper - Right Bank

Type of Gauge. Campbell MR II

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....  
" 83.23 " " 10 " " within 1948-58. " " 1916-50  
File No. ....

Ref. 5

Diameter	5"			905	319							
Height	1' 0"					1						
Altitude	900'					51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	(8.90)	(12.36)	(2.00)	(5.79)	8.53	(4.42)	11.60	9.60	4.20	9.50		
February	(7.70)	(3.09)	2.97	(6.96)	(3.20)	(2.12)	6.60	6.50	2.90	9.80		
March	(6.90)	6.38	1.02	(5.79)	(3.40)	(3.20)	8.00	3.30	8.10	4.00		
April	(7.40)	5.04	5.00	1.09	(3.10)	1.70	5.00	2.50	8.70	9.00		
May	3.10	3.48	6.00	7.53	(4.70)	5.00	4.40	5.90	2.00	4.40		
June	4.50	4.72	3.00	8.02	4.70	5.70	2.80	4.70	5.00	5.30		
July	6.00	4.50	12.59	7.03	3.70	8.50	1.00	7.60	7.80	7.80		
August	12.50	7.00	6.03	7.63	2.10	10.00	7.80	7.80	3.00	6.00		
September	10.49	3.70	9.53	13.06	6.50	8.00	6.00	7.40	2.20	6.20		
October	1.12	8.74	6.52	15.00	5.50	6.30	8.20	5.90	8.50	6.80		
November	18.56	4.93	11.52	15.10	5.50	7.70	4.90	2.30	21.70	16.50		
December	(8.93)	6.50	8.05	10.51	(1.96)	11.20	9.60	7.30	14.00	6.30		
TOTALS	(106.10)	70.44	74.23	103.41	69.49	69.84	81.90	70.80	88.10	91.60		
	M	M	M	M	M	M	M	M	M	M		

1951. Above big but accepted for printing Jan - apr. est by engineer  
See est. by Eng.1952. Jan - Feb. Nov - Dec. app. by engineer  
1955. Feb - May est. by engineer. Dec. est. by engineer.  
1956. J. Shaw. S. ground. Site sheltered by rising ground in semi-circle &  
5 but. to N ground falls away to extensive flat-marshy area. More to  
Small irregular hollows 40x40' - not ideal but some measure of shelter  
all round

Position of Station on Ordnance One-Inch map :			No. of Map.....	National Grid Reference N74/132162		
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1950/11	60034	70004	70004	36014	40004	

## Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
				Camp 1947	