

RAINFALL AT Gameshope Loch Edinburgh W.W. No 4

Lat. _____

Lon. _____

 County of Peebles

Rain Gauge, by _____

 Observer W. A. Tait Esq. E.
Twedd, R. bank - 1.

Diameter							5				
Height							1	3			
Altitude							1860	1860			
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 Garnethope Loch Edinburgh W.W. N. 4Lat. Lon. County of PeeblesRain Gauge, by Observer W. Anderson Esq.Twice, upper, R. bank - 1.W. A. Tait Esq.

Diameter ..				5							
Height ...				13							
Altitude ..				1860							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.00	3.42	4.95	10.15	6.38	1.89	8.56	1.80	5.41	(738)	
February ..	.80	2.15	1.65	10.20	(4.11)	1.85	2.23	2.93	3.82	(235)	
March30	2.12	3.68	20.93	(4.31)	8.08	2.85	5.12	6.91	(701)	
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	7.42	7.19	3.86	3.91	
June	8.58	5.15	1.79	3.31	6.35	3.52	2.82	8.91	5.04	3.33	
July	5.28	1.99	3.49	6.06	6.12	4.38	4.38	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	13.46	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	2.18	7.99	5.41	(733)	
TOTALS ..	74.68	55.24	50.46	98.23	64.19	59.16	61.25	70.65	62.59	(6773)	66.421

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 month divided in proportion of the average of the other gauges

August Gauge tampered with average of other gauges.

1906 Feb omitted at end of following month divided proportionally with average of other gauges

July tampered with

1909. The Trustees of the Edinburgh W.W. would not sanction the printing of our corrected and revised fig 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 W.V. No. 4.County of Peebles Observer Messrs Leslie & Reid C.E.River Basin Upper Tweed right bank tribs. 1.

W. A. Laith.

Rain Gauge, by _____

Diameter ...	5										
Height	1	3									
Altitude ...	1860 ⁺										
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	66.47
February ...	7.59	7.07	6.54	5.77	14.13	2.46	8.75	2.05	10.85	1.10	76.31
March	7.74	3.16	10.49	11.29	9.40	2.15	7.53	2.48	3.70	3.66	61.60
April	6.30	7.62	1.11	9.51	4.44	3.70	6.71	4.05	.85	4.44	48.73
May	3.08	5.98	2.58	7.21	3.66	2.00	6.10	5.70	5.00	2.42	43.78
June	2.28	4.65	9.08	4.70	2.47	1.88	4.07	4.50	2.15	2.75	39.53
July	8.43	4.38	6.72	1.06	4.30	6.53	6.07	3.00	6.00	2.05	48.57
August	11.39	5.61	6.90	3.03	6.24	3.96	6.02	12.50	4.00	6.40	66.05
September ..	1.43	2.90	3.48	4.20	2.80	2.32	3.47	6.20	10.30	7.80	44.90
October ...	5.18	5.41	7.07	7.61	3.63	3.46	11.50	11.00	12.60	3.45	70.91
November ..	3.55	10.49	4.99	7.32	9.08	4.05	10.70	7.70	7.10	5.90	70.88
December ...	7.71	14.42	15.18	(5.33)	13.41	12.96	7.00	3.20	7.90	11.33	98.44
TOTALS ...	69.32	76.20	81.36	77.81	78.97	60.29	89.17	65.42	79.25	58.30	726.09

1915 July & March divided by 3

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

RAINFALL at *Edinburgh Water Works (Garnahope Loch)*County of *Peebles*Observer *George Leslie & Reid, Esq., M.*River Basin *1. Tweed, upper, R. burn.*

Rain Gauge, by _____

Monthly

Diameter ...	5										
Height	1.3										
Altitude ...	1860										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS
January ...	8.02	11.18	5.10	7.50	7.83	6.45	11.33	7.79	17.05	4.63	10.94
February ...	7.35	1.29	7.88	8.00	1.00	3.92	7.33	3.75	2.91	2.41	6.4
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	1.34	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	7.30	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	1.80	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	6.73	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. Glasfurd 12.9.29.

1930. * Dec. "frozen, average taken"

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

RAINFALL at Edinburgh W.W. (Garneshope Loch) N° 14.County of PeeblesObserver Major Sealf & Reid, G.E.River Basin 1- Tweed, Upper - Right Bank.Edinburgh Water Engineers (1937)

Type of Gauge.....

Annual Average 7.6 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. 5

Diameter	5'					8				5	
Height	1' 3"					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	30	(4.73)	.37	6.30	4.55	11.10	5.32	9.28	2.25	
March	3.04 (3.04)	4.00	5.53	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	4.55	5.78	1.50	1.30	3.22	9.83	1.47	2.21	
June	10.74	3.08	2.55	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	5.25	5.07	3.83	2.31	3.08	
September	2.24	7.35	2.17	10.33	9.15	6.30	5.22	7.20	2.80	6.07	
October	6.25	11.25	4.97	10.60	9.65	6.30	6.92	11.73	6.20	7.38	
November	14.95	5.05	4.05	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 76.29	83.56	(54.82)	89.10	62.67	68.47	61.74	96.74	(70.11)	58.84	72.34
	M	M	M	M	M	M	M	M	M	M	

1931 March adjusted for disturbances.

1933 Feb adjusted for loss of snow.

1936 Garneshope Loch. Open Hills.

1940 Dec adj'd. from weather station.

Gauge from 2 to the clearing on 11/33

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

Station No.

5968

RAINFALL at Edinburgh W.W. (Gameshlope Loch) No. 4. 41County of Peebles Observer Edinburgh Water Engineer (1950)River Basin 1-Tweed Upper - Right BankType of Gauge SpecialAnnual Average 68.2 in. based on 23 years obs. wt.-weighted. Period of average 1881-1915 Ref. S.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	(6.20)	(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	(7.02)	
April	(2.00)	6.80	4.09	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)	(33.49)	76.16	63.41	67.78	73.63	71.37	80.98	66.35	75.15	
	N	M	H	M	M	M	H	M	N.P.	N.P. low	

1941 Jan-April app. + ft. est'd. 30014 60000 30004 70004 00014 1950 Jan, Feb, Mar + Dec

1942 Jan-Mar est'd. Dec + Jan + Feb 1943 app.

1944 Feb-Mar app. Dec part est'd.

1945 Jan + Feb app.

1946 Feb + March app. portioned & part est'd.

25.8.47. Inspected by Dr. Harwood. New gauge to be installed on site selected by Dr. Harwood.

1947. 11076 don't agree to compare app. 1 Jan-Mar given above (OWN 8.20, 3.00, 7.70, 4.40, 6.7.32 in) 112.5/63

Average (68.2) recorded 1946 1948 N.P. low. 2nd 1947/3-49 app. by Engineer. 1949 N.P. low. 1950 N.P. low.

Position of Station on reduced Ordnance Survey Map, } No. of Map.

1 mile to 1 inch Series

Reference No. NT(36) 131163

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1941			Broughton	17 mi	NE.	Tweedmouth	7 mi	N.
	74002	70014						

Signed at 1950 by F.O. John Smith

BRITISH RAINFALL ORGANIZATION

(4135-90) Wt. 47525-4471 12,000 2/40 T.S. 700

Station No. 5068/1RAINFALL at Edinburgh W.W. (Gameshipe Loch) New Site 1922-1948 (1930) **41**County of Peebles Observer Edinburgh Water EngineerRiver 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			
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	(13.86)	12.87	(3.50)	
TOTALS							-100	97.34	84.59	95.11	

1948 Dec. approx. Jan '49 long Eng.

1950 Jan, Feb, Mar & Dec add by Engineer.

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.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

RAINFALL at 6 Edinburgh NW (Glasgow Loch) No. 51

County of Peebles Observer Edinburgh Water Engineer

River Basin 1 Tweed Upper - Right Bank

Type of Gauge Baran's M.R. II

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

Diameter ...	5"				905	319					
Height ...	1' 0"					1					
Altitude ...	900'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(8.96)	(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	7.00	7.60	7.80	7.80	
August ...	12.50	7.00	6.03	7.53	2.70	10.00	7.80	7.80	3.00	6.00	
September ...	10.49	3.70	9.53	13.06	6.56	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	4.73	11.52	15.10	5.50	7.70	4.90	2.30	21.70	16.50	
December ...	(18.93)	6.50	8.05	10.51	(7.96)	11.20	9.60	7.30	14.00	6.30	
TOTALS ...	(106.10)	70.44	74.23	103.44	59.49	69.84	81.90	70.80	88.10	91.60	
	M	M	M	M	M	M	M	M	M	M	

1961. Advised by but accepted for printing Jan - Apr. inc sat by Engineer
 Dec. est. by Eng.

1952 Jan-Feb-Nov-Dec app'd by Eng.

1955 Feb-May est. by 1903 agreed by Engineer. Dec. est. by Engineer.

has 9.60 S. Shaw. S. ground. Site sheltered by rising ground in semi-circle to S but to N ground falls away to extensive flat marshy area. Have to small irregular hollow 40' x 40' - not ideal but some measure of shelter all round.

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference NT(5)132162

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge.	Parish Church.	Distance Direction from gauge.
	54° 04'	6° 03' 34"	70004	360' 4"	70004	

Summary of Earlier Records from 10-year Sheets:

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