

RAINFALL at Lammermuir Hills (Lammerloch Res)County of E Lothian

Observer.....

River Basin Syne & C - 4

Rain Gauge, by.....

Diameter												
Height												
Altitude												
Year	1900 1900	1901 1901	1902 1902	1903 1903	1904 1904	1905 1905	1906 1906	1907 1907	1908 1908	1909 1909	1910 Mean	
January53	1.86	.37	1.41	1.53		
February99	1.34	.92	1.70	1.26		
March						2.28	1.83	1.29	2.62	2.85		
April						2.09	1.04	1.13	1.80	3.75		
May62	4.38	2.41	2.37	3.19		
June					2.33	.64	2.09	2.83	1.11	1.02		
July					1.76	3.20	.68	3.14	3.44	3.86		
August					3.83	1.43	6.96	2.74	2.14	1.39		
September76	1.93	.78	1.30	3.52	2.53		
October					1.41	4.37	3.69	5.51	1.54	4.24		
November99	3.68	5.59	2.55	1.60	.20		
December					1.52	1.65	1.04	2.80	.43	1.69		
TOTALS					imp	23.41	31.28	26.99	23.38	27.41		

1904-1909 Rate $\frac{1}{10}$ - Values received from M.O. Edinburgh 29.11.24Position 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	Direction

RAINFALL at Lammermuir H. [Lammerloch Reservoir]

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County of East Lothian

Observer.....

River Basin Tyne and C. - 4

Rain Gauge, by.....

Diameter											
Height											
Altitude											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
January	1.97	0.93	2.34	2.06	2.25	1.61	2.20	2.04	1.79	4.80	2199
February	2.80	1.18	1.96	1.14	1.93	2.29	3.23	0.71	2.75	0.93	1892
March	1.48	1.82	2.22	2.04	2.67	1.43	4.06	0.73	0.99	3.42	2086
April	2.96	1.61	0.61	1.70	1.19	0.65	3.18	1.95	1.04	1.56	1645
May	1.11	1.07	1.52	4.02	1.70	1.04	3.74	1.30	2.02	1.57	1909
June	1.97	4.90	4.31	2.11	2.93	0.79	3.05	2.15	1.27	0.83	2431
July	4.45	0.97	1.24	0.90	2.12	7.38	6.86	0.85	3.29	0.76	2882
August	3.67	0.75	4.57	0.64	2.01	2.33	3.68	3.82	1.85	2.01	2533
September	2.01	0.80	1.04	3.46	1.40	2.04	2.58	4.52	3.79	2.10	2874
October	3.58	3.09	3.91	1.75	2.01	3.90	3.98	2.29	3.73	2.26	3050
November	2.81	5.19	2.65	2.79	2.50	1.49	4.02	1.71	1.20	7.80	3216
December	2.00	4.25	2.04	0.84	4.94	4.60	2.60	1.92	0.94	3.29	2742
TOTALS	30.81	26.56	28.41	23.45	27.65	29.55	43.18	23.99	24.66	31.33	28759

1910-19 late sp. Values supplied by M.O. Edinburgh 11.12.33

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	Direction	Parish Church.	Distance	Direction
					from gauge			from gauge

RAINFALL at Lammermoor H. LammerlochCounty of East Lothian Observer J. RossRiver Basin Tyne & C. H. W. Supt.(1926) Swindon Rain Gauge, by _____

Diameter ...				5							
Height				1.0							
Altitude ...				900							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...				1.52	1.60	2.76	2.70	2.00			
February ...				3.22	.80	3.98	1.42	.58			
March				2.50	.45	3.57	1.10	2.45			
April				1.65	.50	2.30	2.24	1.04			
May				2.30	4.81	3.40	3.15	1.57			
June				0.98	1.50	1.30	3.24	1.87			
July				1.02	4.35	1.85	3.47	2.13			
August				2.17	4.20	3.22	1.40	5.48			
September...				1.92	3.41	4.54	3.49	7.28			
October				3.10	3.60	2.83	4.06	2.71			
November...				4.33	(4.50)	.95	3.05	2.74			
December...				4.10	3.89	2.67		1.87			
TOTALS...				28.91	(33.61)	33.37		31.72	N.R. #		

1922. Corrected for snow. Wire fence 4' high. 1 ft. dist.

1924. Rev. corrected by rain. 1925. May & June corrected by maps.

1925 n.p. low

1926. December of no value, too low, not printed.

1927. Not Published

N.B. Annual values rejected from Survey Map 1929.

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	Direction
1923	55° 57' 45"	2° 46' 30"	Humbie	2.4 mi	N.W.	Humbie	3.4 mi	W.

RAINFALL at Lammerloch ReservoirCounty of HaddingtonObserver J. Ross Esq.River Basin Tyne & C 4Water Supt. & Pollution Bd.No. Rain Gauge, by New Gauge

Diameter ...								5			
Height								1.0			
Altitude ...								900			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January ...								2.30	4.83	.93	2.58
February95	1.66	.64	1.80
March								2.90	2.90	.26	2.31
April								1.14	1.23	.89	2.36
May								1.77	1.54	2.14	1.22
June								2.05	4.42	2.75	1.86
July								2.34	1.33	2.24	4.95
August								6.17	6.31	5.89	6.73
September...								7.82	2.21	.30	4.43
October								3.18	4.32	3.18	4.44
November...								3.56	3.63	4.04	3.13
December...								3.22	2.19	5.64	3.10
TOTALS...								37.40	36.57	28.40	38.40

Weather1930. wire fence 8' to S.N.B. Annual values rejected from Summary Maps 1929Position 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1927			<u>Humble</u>	2.4 mi	N.W.	<u>Humble</u>	3.4 mi	W.

RAINFALL at *Lammermuir Hills (Lammerloch Reservoir)*

County of *Haddington*
River Basin *H - Type & C*
Type of Gauge *M.O.*

Observer *J. Ross, G.E.,
Adam Robinson Esq.*

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

Diameter	5"										
Height	1' 0"										
Altitude	900'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.02	2.36	3.00	1.45	1.14	4.84	3.51	3.07	5.62	.95	
February	1.84	1.47	2.07	.09	1.86	2.87	3.99	1.70	1.96	1.52	
March	1.67	3.09	.86	4.44	1.04	3.63	4.43	.50	3.62	3.22	
April	3.10	1.64	1.65	3.74	3.56	2.24	1.00	.18	1.03	2.25	
May	2.03	2.57	1.22	2.96	1.19	1.08	3.49	4.02	1.19	2.00	
June	4.17	.95	1.87	2.61	2.49	2.26	1.14	4.70	3.47	.56	
July	2.86	3.46	3.55	2.12	1.09	5.02	3.77	2.46	2.62	9.43	
August	7.80	.40	.53	2.23	2.66	1.97	4.90	1.97	1.94	1.07	
September	2.13	1.99	2.55	2.92	2.38	4.24	1.89	3.12	2.42	3.02	
October	1.42	7.70	3.15	2.32	6.89	1.95	3.95	5.63	5.28	3.49	
November	1.50	1.25	3.11	4.43	3.78	3.81	1.02	4.30	3.80	4.95	
December	1.02	2.68	2.25	5.17	2.90	2.39	5.66	4.02	1.37	2.72	
TOTALS	31.56	29.55	25.81	34.48	30.98	36.20	38.75	35.67	34.32	35.17	
	W	W	W	W	W	W	W	W	W	W	

Wire fence 5' S. of gauge

(1927-29)
Annual average 28.3" rejected from survey as 6' too low.

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
1931.			<i>Bumble</i>	2.4m	N.W.	<i>Bumble</i>	3.4m.	W.

Station No. 5102

RAINFALL at Lammermuir Hills (Lammerloch Res?) 41County of East Lothian Observer Adam Robson Esq.River Basin 4 - Tyne & C.Type of Gauge C

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

File No. X

Diameter	5			903	131	*					
Height	10				1						
Altitude	900				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.44	3.79	2.99	1.97	4.77	2.00	3.40	5.75	1.31	0.59	
February	3.18	2.34	1.24	1.60	3.22	.82	1.14	2.04	.92	3.20	
March	2.53	1.01	1.10	.58	.68	2.27	(4.21)	1.04	1.56	1.74	
April	1.30	1.29	1.06	1.63	(1.46)	.52	3.41	1.67	1.14	2.14	
May	2.72	2.21	4.19	2.94	4.23	1.72	3.17	1.59	1.63	.69	
June	1.37	1.31	2.32	2.23	2.14	1.54	2.45	3.48	.99	1.43	
July	2.42	4.39	3.28	2.12	2.06	3.01	1.97	1.86	2.29	2.28	
August	4.21	2.32	3.71	2.87	4.21	5.24	.15	11.59	2.73	2.94	
September	0.79	1.70	1.72	5.03	2.55	3.33	1.17	2.60	1.40	5.21	
October	3.37	2.43	2.98	2.71	2.85	.48	.74	2.04	3.58	1.88	
November	4.48	.82	1.09	7.59	.40	5.87	2.88	1.76	4.12	2.80	
December	.71	2.05	1.03	3.21	2.91	2.99	1.78	2.17	2.44	2.36	
TOTALS	29.52	25.66	26.74	34.54	31.48	29.79	26.47	37.59	24.61	27.46	27386
	W.	W	W	W	W	W.	N.P.	N.P.	N.P.	N.P.	

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04004

10004

1947 N.P. Low.
 * 1948 Gauge re-sited 1.9.48. N.P. low, Jan, June, July. 1949. n.p. low. Twp wall suggested.
 4/7/50. Sup. New Thomson. New site since 1/9/48 a good one, though a little exposed to W.
 and possibility of interference. Gauge 800 ft.
 New gauge to be set up for comparison in dry bed of nearby river. Some exposure excellent.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map.....

Reference No. 517634

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Humbie	2.4 m	NW.	Humbie	3.4 m	N
Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60		
			T 1327 C 923. inf 1926	C 1931 W 31-40	✓ N.P. 47-50 W 41-46			

RAINFALL at Lammermuir Hills (Lammerloch Reservoir) Station No. 5102/1 41County of East LothianObserver Adam Robson Esq.River Basin L. Tyne & C.

Type of Gauge.....

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

File No.

Diameter					903	132					
Height						1					
Altitude						41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January										-100	
February											
March											
April											
May											
June										-100	
July										# 2.65	
August										3.40	
September										5.60	
October										2.01	
November										3.58	
December										2.63	
TOTALS										100 Imp.	

1950 Readings low. new site recommended at inspection on 4/1/50

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.
1950			Humble	2.4 m.	N.W.	Humble	3.4 m.	W.

BRITISH RAINFALL ORGANIZATION

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Observer Adam Robinson Esq.

[illegible]

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Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.
 " " 33.79 " " 8 " 1951-58 " " 1946-50 " 3
 File No.

Ins. Aug 1960. ~~Female~~ ♀ sound. ♀ in a small clearing in bracken heath
300' E of main reservoir. Almost drop of about 8' 12" to 18"
6" W. of E and in other direction when bracken has withered.
Much better site in nearby stream bed. Site open to interference but
may be worth trying
Ins. Oct 1960 J. Shaw & W. G. S. Agreed site is dried up bed of stream
is best available. ♀ to be moved in late Nov. 1960
1960 Nov. low

National Grid Reference 261 5776 34

Summary of Earlier Records from 10-year Sheets :

		1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d					C-map 1950	