

RAINFALL at Lammermuir Hills (Lammerlock Res)

County of E. Lothian

Observer.....

River Basin Syne + C - H

Rain Gauge, by.....

Diameter	1900 1900	1901 1901	1902 1902	1903 1903	1904 1902	1905 1905	1906 1906	1907 1907	1908 1908	1909 1909	1900 Mean
Height											
Altitude											
January						.53	1.86	.37	1.41	1.53	
February						.99	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	1.50	3.75	
May						.62	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	
September					.76	1.93	.78	1.30	3.52	2.53	
October					1.41	4.37	3.69	5.51	1.54	4.24	
November					.99	3.68	5.59	2.55	1.60	.20	
December					1.52	1.65	1.04	2.80	.43	1.59	
TOTALS					info	23.41	31.28	26.99	23.38	27.41	

1904-1909 Rate m. - Values received from Mr. O. Edinburgh 29.11.24

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

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

RAINFALL at Lammermuir H. [Lammerloch Reservoir]

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	2.50	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	3060
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 v. t. Values supplied by M.O. Edinburgh 11.12.33

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

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

RAINFALL at Lammermuir H. SummerhouseCounty of East Lothian Observer J. RossRiver Basin Tyne &c. 4. W. 5 sq.m.(1926) Sanderson Rain Gauge, by _____

Diameter ...											MEANS.
Height											
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...					1.52	1.60	2.76	2.70	2.00		
February ...					3.32	8.0	3.98	1.42	5.8		
March					2.50	4.5	3.57	1.10	2.45		
April.....					1.65	5.0	2.30	2.24	1.04		
May					2.30	4.81	3.40	3.15	1.57		
June					0.98	1.50	1.38	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...					(4.23)	(4.50)	.95	3.05	2.74		
December...					4.16	3.89	2.67		1.87		
TOTALS...					28.9	(33.61)	33.37		31.72	N.R. #	

1922. Corrected for snow. Wire fence 4' hgt. 14 ft. dist.

1924. Now corrected by rain. May & June corrected by maps.

1925 n.h. low

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

1927. Not Published

X. B. Annual values rejected from Survey Map 1929.Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1923	55° 51' 45"	2° 46' 20"	Humbie	2.4 mi	N.W.	Humbie	3.4 mi	W.

RAINFALL at Summerlock Reservoir

County of Haddington

Observer J. Ross Esq.

River Basin Tyne & C. 4

Water Sept. & October 1920-21

No. 2 Rain Gauge, by

New Gauge

Diameter ...	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	¹⁹³⁰ MEANS-
Height								1.0			
Altitude ...								900			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...								2.30	4.83	.93	2.08
February95	1.66	.64	1.80
March								2.90	2.90	.26	2.31
April								1.14	1.23	.89	2.86
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

Heather

1930. wire fence 8' to 3'.

N.B. Annual values projected from Survey Map. 1929
 Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
 Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1927			Humble	2.4 mi	N.W.	Humble	3.4 mi	W.

RAINFALL at Lammermuir Hills (Lammerlock Reservoir)

County of Haddington

Observer J Ross, G.E.

River Basin H-Tyne &c.

Adam Robton Esq.

Type of Gauge M.O.

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	2.46	1.14	4.70	3.47	.56		
July	2.66	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	1.26	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	2.89	5.66	4.02	1.37	2.72		
TOTALS	31.56	.56	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 8' S. of gauge

(1927-6)

Annual Average 28.3" rejected from survey as 6" too low.

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	Parish Church.	Distance from gauge	Direction
1931.			Humbie	2.4m	N.W.	Humbie	3.4m.	W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 502

RAINFALL at Hamerloch Hills (Hamerloch Res¹) 41

County of East Lothian Observer Adam Robson Esq.

River Basin H - Tyne & C.

Type of Gauge

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			44							
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	1.84	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	1.58	1.94	
April	1.30	1.29	1.06	1.69	(1.46)	.52	1.41	1.67	1.14	2.14	
May	2.72	2.21	4.19	2.94	4.23	1.72	2.17	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	.16	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	2.94	2.36	
TOTALS	29.52	25.66	26.74	34.54	31.48	29.79	26.47	37.59	24.61	27.46	29386
	w	w	w	w	w	w	w.p.	n.p.	n.p.	n.p.	n.p.

87

06004

10004

1947 N.P. low.
 * 1948 Gauge re-sited 1.9.48. N.P. low, Jan, June, July. 1949. n.p. low. Tuf wall suggested.
 4/7/50. New Thompson. New site since 1/9/48 a good one, though a little exposed to W.
 and possibility of interference. Gauge con.
 Has gauge to be set up for comparison in dry bed of nearby river. (See gauge excellent.)

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map Reference No. 36-57634

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1941			Humbie	2.4 m	N.W.	Humbie	3.4 m N
Record D, or d			1910-19	1920-30	1931-40	1941-50	1951-60
			T 1927 C 1923. imp 1926 —	C 1931 W 31-40	✓ n.p. 47-50 ✓ w. 41-46		

Station No. 5102/1
RAINFALL at Lammesmuir Hills (Lammestoch Reservoir) 41

County of East Lothian

Observer Adam Robson Esq.

River Basin E. 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										2.65	
March										5.60	
April										3.40	
May										2.01	
June										3.58	
July										2.63	
August											
September											
October											
November											
December											
TOTALS										-100 Imp.	

1950 Readings low. New site recommended at inspection on 4/7/50

Position of Station on reduced Ordnance Survey Map,				No. of Map	Reference No.			
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1950			Humbie	2.4 m	N.W.	Humbie	3.4 m	W.

Station No. 51021

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RAINFALL at Lammermuir Hills (Lammerlock Reservoir)

County of East Lothian

Observer Adam Robson, Esq.

River Basin Tyne & L.

Type of Gauge. N.O. MR II

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

Ref. S

33.79 " " 8 " " 1951-58 " "

File No.

Diameter ...	5"		903	132							
Height ...	1' 0"				1						
Altitude ...	900'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.91	2.16	0.71	2.55	2.24	2.19	3.34	1.90	1.19	3.63	
February ...	3.47	.52	1.09	3.05	2.12	3.07	3.12	2.29	0.57	3.68	
March ...	3.51	1.52	.30	2.08	1.85	1.40	2.09	1.86	1.07	1.73	
April ...	3.51	1.69	2.49	.88	.97	.67	1.31	2.15	2.50	1.35	
May ...	2.54	1.70	1.61	6.70	2.12	.70	1.61	2.41	0.47	1.48	
June ...	1.77	2.46	2.77	2.67	.97	2.63	1.07	3.06	2.45	1.14	
July ...	2.60	1.71	5.08	2.84	2.90	4.93	5.30	4.92	2.40	3.10	
August ...	(6.97)	2.90	2.41	5.43	.86	8.31	7.56	2.75	0.84	4.35	
September ...	1.06	3.51	3.57	3.60	1.55	3.55	1.94	2.29	0.67	1.89	
October ...	0.42	1.93	2.01	5.28	2.52	1.36	1.84	1.47	2.27	6.10	
November ...	5.00	3.54	3.07	4.75	1.46	1.17	1.14	.94	6.73	3.83	
December ...	1.60	3.62	2.71	2.98	4.72	3.71	3.14	5.46	5.46	2.45	
TOTALS ...	35.39	27.26	27.82	42.81	W	24.27	33.69	34.06	31.50	26.62	34.73
					W	W	W	W	W	W	np

Ins. Aug 1960. ~~Site~~ 9. sound. G. in a small clearing in bracken heather 300' E ¹/₂ main reservoir. Atmpt drops of abnd 8' 12' 6' & 18' 6' W. 0' E & 6' and in other directions when bracken has withered. Much better site in nearby stream bed. Site open to interference but may be worth trying.
 Ins. Oct 1960. 5. Show & Water Sup. Agreed site is dried up bed of stream is best available. G. to be moved 21st Nov. 1960
 1960 np. ins. ~~1961~~

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 51.5776.34

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951	56° 20' N		Humbie	2.4 mi NW	Humbie	3.4 mi W

Summary of Earlier Records from 10-year Sheets :

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