

RAINFALL at Hanside ReservoirCounty of Haddington

Observer

D. Allan Carter Esq.River Basin Tyne &c - 4J. Ross Esq., C. & (1918)

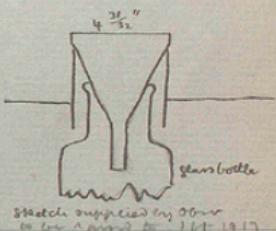
Rain Gauge, by

Gauge A

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height .....							5				
Altitude ...							0.4	1.0			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	.94	3.17	3.09	2.52	1.78	1.98	1.28	1.04	4.07		
February ...	1.32	2.11	1.24	1.91	4.05	3.03	1.98	2.46	2.80		
March .....	1.74	2.03	2.02	3.12	1.38	4.89	1.04	.78	1.77		
April .....	1.41	.33	2.52	.93	1.13	3.81	1.51	.89	2.19		
May .....	.85	1.57	2.99	2.25	1.36	5.26	1.71	2.29	.71		
June .....	5.32	4.85	1.75	2.71	1.27	3.18	1.05	.63	1.60		
July .....	1.06	1.45	.81	2.36	5.40	4.81	.97	3.18	.94		
August .....	1.01	4.56	1.58	2.84	4.13	3.99	8.63	2.02	1.92		
September...	1.31	3.70	2.57	.82	2.30	2.57	.94	3.98	1.49		
October ...	3.66	2.04	2.75	2.18	1.79	4.08	1.72	3.60	3.85		
November..	5.09	1.32	1.84	3.37	1.64	4.35	1.06	1.58	5.70		
December...	3.33	.97	1.08	5.02	4.83	2.55	1.88	1.61	2.91		
TOTALS ...	27.04	29.00	24.24	30.03	30.99	44.50	23.77	24.06	30.01		

1911-1915 Rec'd 28 Aug - 2nd 17 Dec 1917

1919. Wood &amp; wire frame 3' 6" high 3' 6" each side.



Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1916	55° 51'	2° 48'	Humbie	2 1/8 mls	N.N.W.	Humbie	2 1/2 mi.	W.N.W.

Lammermuir Hills = Stobhill Res.  
RAINFALL at Banside Reservoir, Gauge B

10 5100

County of Haddington

Observer

D. Allan Carter Esq.

River Basin Tyne & C - 14

J. Ross Esq., C.E. (1918)

Revolving Rain Gauge, by

Diameter ...											
Height .....	5										
Altitude ...	0 4										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.14	3.70	3.56	2.87	2.12	2.48	1.00	1.46	5.15		
February ...	1.64	2.47	1.13	2.36	4.40	2.83	3.54	2.92	3.15		
March .....	2.40	2.65	2.92	3.54	1.74	4.48	1.18	1.12	3.60		
April .....	1.58	.39	2.91	1.02	1.13	4.48	2.10	1.12	2.75		
May .....	.92	1.65	3.42	2.26	1.56	5.43	1.88	2.76	.85		
June .....	5.43	5.08	1.99	3.17	1.41	4.82	1.30	.74	1.75		
July .....	1.12	1.60	.95	2.55	6.12	5.05	1.29	3.45	1.00		
August .....	.94	4.81	1.72	2.90	5.13	3.93	8.83	2.70	2.22		
September...	1.42	4.11	2.58	.82	2.80	2.60	1.20	4.54	2.12		
October ...	4.12	3.37	3.06	2.71	2.78	4.81	2.70	4.60	4.35		
November...	5.65	1.64	2.02	4.17	2.02	5.38	1.95	2.30	7.20		
December...	3.95	1.26	1.12	6.44	6.09	3.04	2.20	2.10	3.40		
TOTALS ...	30.31	32.73	27.32	34.81	37.30	48.83	29.17	29.81	37.64		

1911-1915 Rec'd 28 Jan'y + End 17 Dec 1917.

1919. Wire fence 3' 6" high 3' 6" each side

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1916	55° 51'	2° 48'	Humbie	2 1/3 mi	N. N. W.	Humbie	2 1/3 mi	W. N. W.

## RAINFALL at Lawrence Hill (Geological Res.)

County of Haddington. Observer J. Ross, Esq. G. G.

River Basin 4 Type 1c.

See gauge A.  
for start  
and 1919 date.

(1926) Snowdon

Diameter ...	5"	4	5"			5"					
Height .....	1.0	2.0				1'					
Altitude ...	950					950'					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January .....	3.00	4.32	1.90	1.98	2.05	4.32	4.97	2.35	4.35	1.00	2.56
February .....	1.90	2.40	2.41	4.92	1.98	5.08	(2.26)	1.95	2.12	.60	1.80
March .....	2.95	2.34	2.53	1.49	1.53	3.18	2.60	2.94	3.17	.28	2.38
April .....	3.30	1.40	3.29	2.08	1.04	2.78	2.80	1.34	1.08	1.98	2.42
May .....	1.82	2.15	.69	3.65	4.88	3.57	2.97	1.69	2.10	2.63	1.78
June .....	1.10	.63	1.83	1.11	2.01	1.15	4.71	2.87	6.73	8.31	1.61
July .....	3.53	2.16	3.78	2.08	4.74	2.03	4.96	3.66	1.84	2.28	6.25
August .....	5.57	5.31	2.28	4.66	4.40	3.06	1.62	9.47	5.70	6.46	7.72
September .....	1.36	1.57	2.31	2.65	4.77	5.34	4.29	7.55	2.51	.29	8.85
October .....	2.80	3.85	5.24	3.48	3.30	2.62	3.82	3.00	4.51	3.89	4.80
November .....	2.62	2.45	1.27	3.92	4.93	1.25	4.83	3.80	3.75	3.89	3.11
December .....	8.60	2.11	2.97	3.70	3.80	3.51	(.97)	3.12	2.42	4.50	2.14
TOTALS...	23.02	20.78	30.50	35.42	37.48	37.80	40.50	42.74	40.31	29.61	39.32

1920. Pace 49. 4'.  
1921. May 7. Same corrected 49. — on open hill  
1921. Feb. 2 Dec. adjusted by major.  
1921. Feb. 2 Dec. adjusted by surrounding stations.

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		Parish Church.	Distance	
				from	gauge		from	gauge
1920	56°50'40"	249°30'	St. Columbie	2 1/2	m. N.W. by N.	St. Columbie	2 1/2	m. N.W. by N.

## RAINFALL at Lammermuir Hills (Historical Report)

County of Haddington.

Observer J. Ross, Esq: C. E.

A

River Basin 4 Type & C.

*See spec of A.*  
for sketch. Rain Gauge, by  
(1926) Snowdon

1

Diameter ...	5	4	5		5"							
Height .....	1.0	2.	0		1'							
Altitude ...	998				998'							
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January .....	1.85	3.21	1.46	1.27	(1.84)	2.68	3.59	1.62	3.06	.63	1.92	
February .....	1.96	1.67	1.67	3.41	.80	3.31		.87	1.28	.40	1.27	
March .....	2.15	1.81	2.04	1.21	.47	2.76	1.75	2.61	2.46	.21	2.22	
April .....	2.59	.92	2.75	1.74	.82	2.43	1.98	1.09	.84	1.70	1.96	
May .....	2.51	1.41	.55	3.18	4.64	3.21	2.57	1.54	1.95	2.20	1.26	
June .....	1.18	.72	1.88	0.96	1.65	1.00	4.20	2.60	5.93	2.65	1.29	
July .....	3.57	1.91	3.58	1.77	4.10	1.90	4.51	2.68	1.74	1.73	4.87	
August .....	5.12	4.57	2.05	3.84	4.07	2.69	1.36	8.68	5.61	5.12	6.88	
September .....	1.15	1.28	2.16	2.09	4.38	5.10	4.15	7.24	2.25	.20	3.17	
October .....	2.08	3.72	4.67	2.93	2.80	2.10	3.06	2.53	3.67	2.98	4.02	
November .....	1.81	2.03	1.16	3.12	4.49	1.05	2.87	3.12	3.21	2.80	2.70	
December .....	3.0	2.05	2.31	3.08	(3.54)	2.50		2.80	2.11	3.20	1.90.	
TOTALS.	28	38	25	30	26.28	28.62	(33.60)	30.73	37.38	34.11	23.82?	33.56?

1920 for use 3<sup>rd</sup> 14 ft. off. surrounding gauge  
1924. Jan & Dec. corrected by sea. level. May & June adjusted by maps.

1925. n. p. law.  
1926. file. a dec. of no value, too low. not printed)

1926. *Twelve of us were in the car.* 11

1930. No action yet re. inspection, decided to print with?

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
1920.	55° 5' 1	2° 48' 05	Scambie	2 1/4 m.	NW	Scambie	2 1/2 m.	NW

RAINFALL at Lammermuir Hill (Stobhill Res.) B.County of HaddingtonObserver T. Rose ~~Loc. 1~~River Basin. W - Tyne &c.Adam Robson Esq.Type of Gauge M. O.Annual Average 33.0 in. based on 17 years obs. unweighted. Period of average 1881-1917 Ref 5

Diameter	5"										Means
Height	1' 0"										
Altitude	950'										
Year	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	
January	2.65	2.51	3.13	1.56	1.23	4.84	3.27	3.02	5.58	1.11	
February	2.13	1.63	2.14	1.72	2.13	3.16	4.09	1.79	1.86	1.98	
March	2.70	2.99	1.89	4.73	1.40	4.03	4.08	.53	4.22	2.38	
April	3.76	1.84	1.80	2.89	2.46	2.41	1.05	.29	1.23	2.42	
May	2.02	2.79	1.36	3.08	1.39	1.03	3.52	3.62	1.20	2.13	
June	4.27	1.00	1.90	2.86	2.44	2.95	1.17	4.80	3.54	.56	
July	4.07	3.29	4.11	2.10	1.12	3.95	4.23	2.87	2.46	10.00	
August	7.82	.60	.57	3.12	2.92	1.91	4.43	1.96	1.69	1.09	
September	2.11	1.98	2.33	2.15	2.25	3.72	1.87	3.25	2.45	2.84	
October	1.52	7.99	3.43	2.14	7.43	2.11	3.69	5.54	5.16	3.26	
November	1.82	1.37	3.25	4.95	3.64	3.89	.97	4.00	3.63	4.90	
December	1.18	3.20	2.50	4.66	3.08	1.83	5.83	3.75	1.31	2.72	
TOTALS	36.05	31.09	27.41	36.66	31.49	35.14	38.20	35.42	34.33	36.38	
	W	W	W.	W.	W	W	W	W	W	W	

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	Direction	Parish Church.	Distance	Direction
				from gauge	from gauge			
			Hornbick	2 $\frac{5}{8}$ m	N.N.W.	Hornbick	3 m	W.N.W.

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

RAINFALL at Lammermuir Hills (Stobhill Res<sup>2</sup>) ACounty of HaddingtonObserver J. Ross, Esq.,River Basin H - Tyne &cAdam Robbie Esq.Type of Gauge M.O.

28.9

9

Annual Average 28.9 in. based on 10 years obs. unweighted. Period of average 1931-40 Ref. TP. No 445Dated 18.4.40. overlap using Stobhill Res.B + West tops.

Diameter	5"										Means
Height	1' 0"										
Altitude	998'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.88	2.15	2.69	1.87	1.08	4.22	3.07	2.82	5.26	9.6	
February	1.55	1.23	1.88	.07	1.61	2.80	3.62	1.54	1.58	1.59	
March	1.99	2.32	.80	4.27	1.25	2.97	3.52	.44	3.67	2.70	
April	2.89	1.54	1.48	3.51	2.05	1.80	.83	.19	1.03	2.30	
May	1.99	2.30	1.13	2.90	1.11	.87	3.26	3.45	9.9	1.89	
June	3.68	.93	1.63	2.67	2.30	2.70	1.13	4.31	3.20	.49	
July	3.81	2.88	3.59	2.03	1.12	3.58	3.92	2.66	2.23	9.32	
August	4.46	1.43	1.47	2.99	2.74	1.84	4.17	1.90	1.52	.95	
September	1.48	1.77	2.02	2.00	2.04	3.74	1.83	2.97	2.22	2.72	
October	1.44	7.27	3.18	2.29	6.31	1.77	3.52	5.27	4.88	3.47	
November	1.62	1.12	3.11	4.41	3.49	3.08	.92	3.68	3.48	4.91	
December	0.89	2.89	2.29	4.46	2.77	1.89	6.38	3.88	1.00	2.47	
TOTALS	30.78	26.83	24.27	32.97	27.87	30.76	36.17	33.11	31.06	33.83	
	W	W	W	W	W	W	W	W	W	W	

1931  
Wire fence surrounds 9'4' distant.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		Parish Church	Distance from gauge
				from gauge	Direction		
1931			Humbie	24m.	N.N.W.	Humbie	3m

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

Station No. ....

5100

RAINFALL at Hammermuir Hills (Stobshiel Reel) B. 41County of East Lothian

Observer

Adam Robson Esq.River Basin 4 - Tyne & C.Type of Gauge 5"Annual Average 33.0 in. based on 17 years obs. self-weighted. Period of average 1887 - 1915 Ref. S.

File No. ....

Diameter	5"		902	469							
Height	1' 0"										
Altitude	950'				41				927'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.69	3.84	3.10	2.17	4.62	2.05	3.67	5.38	1.44	.57	
February	3.31	(2.49)	1.41	1.36	3.29	1.21	1.19	2.34	.81	2.97	
March	2.68	1.14	1.38	.75	.82	2.58	(4.42)	1.10	1.18	1.91	
April	1.42	1.30	1.20	1.83	(1.41)	.59	3.97	2.10	1.20	2.14	
May	2.62	2.12	4.55	3.12	4.58	1.78	3.53	1.72	2.02	.84	
June	1.37	1.41	2.53	2.15	2.41	1.93	2.85	3.82	1.18	1.54	
July	2.69	4.86	2.98	2.20	2.03	3.46	2.53	2.32	2.58	2.39	
August	4.00	2.58	3.57	2.97	4.43	5.03	.16	11.79	2.71	3.45	
September	0.97	1.59	1.63	5.39	2.86	3.42	1.49	2.76	1.36	6.89	
October	3.30	2.78	2.60	2.56	3.14	.50	.94	2.12	4.60	2.20	
November	4.19	.90	1.23	6.29	.42	5.87	3.60	1.68	4.34	4.52	
December	0.78	1.89	1.26	3.07	2.45	2.76	2.21	2.43	2.96	2.72	
TOTALS	30.02	26.90	27.44	34.46	32.46	31.18	30.56	39.56	26.38	32.14	
	W	W	W	W	W	W	W	W	W	W	

1941 Two objects near to gauge. 04004

Aug 7

1942 Feb cont'd. for snow.

1945 April part cat'd.

\* 1948 Gauge re-sited 1.9.48. — No details of 1948

1949/50 Gauge reported damaged beyond repair date not given.

4/1/50 Sup. Mr. Thomson. Site adopted 1/9/58 unsatisfactory. Gauge to be moved back to old site &amp; surrounded with turf wall.

20004 1940's small individual

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.
1941			Humbie	2 $\frac{3}{4}$ mi	NNW	Humbie	3 mi NW

Station No. 5101

RAINFALL at Hunmanby Hills (Stockhiel Res.) A. 41County of East Lothian Observer Adam Robson Esq.River Basin 4 - Tyne & C.Type of Gauge 5"Annual Average 28.9 in. based on 9 years obs. un-weighted. Period of average 1881 - 1915 Ref. P.B. No 445

File No.

Diameter	5"											Means
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950		
January	2.31	3.38										
February	2.85	(2.30)										
March	2.26	1.08										
April	1.22	1.16										
May	2.33	1.82										
June	1.19	1.18										
July	2.50	4.11										
August	3.68	2.03										
September	1.80	1.42										
October	3.06	2.77										
November	3.88	7.2										
December	1.65	1.71										
TOTALS	26.73	23.68										
	w	w	x									

43 Funeral of gauge stolen Jan. 1943. Not replaced. Observations ceased.  
 1942 Feb. covered 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 from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Hunmanby	2 1/4	N.N.W.	Hunmanby	3	W.N.W.

Station No. 5100

51

## RAINFALL at Lammerton Gates (Stevens &amp; Reid) B

County of East Lothian. Observer Adam Robson Esq.

River Basin Tyne &amp; its tributaries.

Type of Gauge M.O. M.R. 5100/50

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

34.22 " " 40 " " within 1916-50. " " 1916-50

File No.

Diameter	5'				902	769					
Height	1' 0"						1				
Altitude	927'						51				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.42	2.18	0.81	2.49	2.06	2.20	3.44	1.99	1.35	3.67	
February	3.52	1.66	1.03	2.09	2.18	2.77	3.31	2.24	0.59	3.63	
March	3.93	1.65	1.36	2.20	1.57	1.34	2.10	1.70	1.19	1.70	
April	3.77	1.88	3.56	1.77	1.12	1.62	1.20	2.01	2.50	1.43	
May	2.62	1.91	2.09	6.30	1.86	1.74	1.64	2.44	0.58	1.74	
June	2.15	2.58	2.68	2.55	1.81	2.29	1.32	3.19	2.68	1.25	
July	2.81	2.04	4.35	2.67	2.97	5.02	5.43	5.20	2.52	3.24	
August	7.15	3.48	2.59	5.66	(1.98)	8.50	8.21	3.34	0.81	4.23	
September	1.29	4.53	3.62	3.69	(1.70)	3.37	1.99	2.43	0.70	2.48	
October	0.65	2.92	1.89	5.02	(2.54)	1.43	1.85	1.36	2.40	6.20	#
November	5.41	4.56	2.81	4.35	1.52	1.07	1.89	.94	7.18	3.59	
December	1.77	4.52	2.40	2.94	4.83	3.76	3.30	5.97	5.47	2.74	
TOTALS	38.49	32.91	28.19	40.73	24.14	33.11	35.68	33.01	27.96	-100	n.p.
	n.p.	n.p.	1		w	w	w	w	w		

1951. n.p. ~~low~~ high1952. n.p. ~~high~~

1953. -print 1954 No. Kintore gal. (8/10)

1954 Oct 1960 S. Shaw &amp; Co. Ltd. Sup. A more accessible site is required by Wat. Sup.

Present site is best available but not good. A new site was selected on flat bottom I disused quarry at the end of rd. 0/e to SE but sheep

grazing walls max elev 20°. More will be made in 1st K.M.

1960 n.p. inc

1961 Gang manual = 34.800/1 34.800/1 from 1960

Position of Station on Ordnance One-Inch map :

No. of Map.

National Grid Reference 581617

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1954			Humbie	2 1/2 mi N.N.W.	Humbie	3 mi. W.N.W.

Summary of Earlier Records from 10-year Sheets :

Records 1943- date correspond.

Jan 9

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		c 1911 ✓	✓	✓	✓ n.p. 1950	✓ 1951-60, 1952-62

## Air Ministry, Meteorological Office

Station No. 5100/

RAINFALL at Larmermoor Hill (Stowfield Reservoir)  
 County of East Lothian Observer East Lothian W. Rd  
 River Basin 4/Tyne and coast  
 Type of Gauge M.O. Mk II

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

File No.

Diameter	...			902	774					5"		
Height	...					1				1'		
Altitude	...					51				900'		
Year	...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	...											-100
February	...											
March	...											
April	...											
May	...											
June	...											
July	...											
August	...											
September	...											
October	...											-100
November	...											3.59
December	...											2.54
TOTALS	...											3.59 np. -100

1961 R/gauge moved from S/H 5100. 1960 np. inc.

Position of Station on Ordnance One-Inch map:

No. of Map 63

National Grid Reference 26/50/622

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

Summary of Earlier Records from 10-year Sheets:

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