

RAINFALL AT Airdrie, Forrestburn Reservoir

Lat. _____

Lon. _____

 County of Lanark

Rain Gauge, by _____

Observer _____

John Frew Esq.
Forth, Rank - 3.
(Linkithgow Co. Bourke)

Diameter ...					6					6	
Height					0	6				0	6
Altitude ...					720					720	T
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...					3.40	2.50	4.50	3.10	3.60	5.00	
February ...					2.70	2.30	2.60	2.50	2.10	2.50	
March					2.60	4.40	2.30	3.90	4.40	4.10	
April					4.70	2.60	1.20	1.50	1.70	3.20	
May					3.60	1.20	5.50	4.20	3.10	2.60	
June					1.30	.90	1.50	4.50	2.10	2.80	
July					2.00	3.00	2.60	3.10	3.60	3.70	
August					3.90	4.00	6.00	5.20	3.20	3.30	
September ..					2.80	3.00	1.80	1.50	5.20	2.40	
October ...					1.70	2.20	7.40	8.60	1.40	5.70	
November ..					2.00	3.10	4.50	2.00	2.70	2.30	
December...					4.80	3.50	2.20	5.30	1.50	5.10	
TOTALS ...					34.90	32.70	42.10	45.40	34.60	42.70	

1904 - 8 in. 15. I. 10; end 29. 11 12.

RAINFALL at Airdrie, Forrestburn ReservoirCounty of LanarkObserver J. Frew Esq.Sid. met. Soc.River Basin Forth - Right bank tribs. 3.

Rain Gauge, by _____

Diameter ...	6		8									
Height	0 6											
Altitude ...	720T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	4.50	2.60	2.10	3.00	2.50	3.60	5.20	2.70	3.90	3.10	3320	14.90
February ...	4.20	4.80	2.50	2.10	3.20	2.80	4.20	1.20	4.50	1.90	3120	11.60
March	1.90	1.80	5.20	4.50	4.40	2.80	2.50	2.20	1.30	2.20	2880	8.20
April	4.00	2.30	1.30	2.70	2.70	2.00	4.00	1.50	.50	3.40	2440	9.40
May	2.60	1.80	1.60	2.20	2.90	1.70	5.40	2.40	2.60	1.20	2440	11.60
June	1.40	2.00	5.70	2.70	.80	2.50	3.60	3.10	1.10	2.80	2570	10.60
July	3.90	2.40	2.40	1.20	2.50	4.30	4.20	3.40	2.70	1.10	2810	11.40
August	6.20	2.00	4.90	1.50	2.80	3.80	4.20	4.90	2.50	2.90	3550	14.30
September ..	1.30	2.00	3.10	2.00	1.50	1.80	1.80	2.20	6.10	3.50	2530	3.60
October ...	1.80	3.20	3.90	2.30	1.80	1.80	6.70	4.80	4.80	1.40	3250	17.70
November ..	3.10	6.10	3.50	5.20	4.10	1.50	3.90	6.80	2.30	5.40	4190	18.40
December ...	3.00	4.00	5.90	3.70	4.80	5.30	3.70	4.20	4.40	5.10	4410	17.40
TOTALS ...	37.90	35.00	42.10	33.10	34.00	33.90	44.40	39.40	36.70	33.60	37.510	159.10

1912 Received VI. 14. Entered 2. XII. 14.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	56.43	3.30	Westeraig	2 mls.	SW.	Hasthill	2 mi	
1919	55.52	3.48	Forrestfield	1 1/2 miles	N	Kirk of Shotts	2 miles	SW

RAINFALL at *Airdrie* (*Forestburg Reservoir*).

County of York

Observer J. Hew, Esq.

River Basin

3. Forth - Right bank tribs.

Wm. L. Vick, Jr., 1922 R J. Class

Rain Gauge, by Allen Field to

1923 Adam Simpson CE

Engl. Bathgate

Kilmarnock (1921)

Diameter ...	8	4		- 5									
Height	1.6	0.8		- 6					1	0		0	6
Altitude ...	722								722			722	1930.
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			MEANS.
January ...	4.40	7.20	3.80	4.10	3.50	3.40	3.60	5.10	7.60				5.33
February ...	4.70	.50	2.60	3.40	1.20	3.60	4.30	2.20	4.07				.47
March	3.40	5.00	2.00	1.50	1.20	2.70	3.20	3.00	2.61				1.99
April	2.50	1.40	1.80	3.10	2.20	4.80	2.00	3.00	1.04				.97
May	4.40	2.10	3.00	2.60	5.30	5.00	2.50	2.80	1.63				1.96
June	1.40	.80	2.10	1.40	2.10	.60	3.10	3.30	4.46				3.38
July	4.20	3.20	3.40	4.60	2.60	1.80	3.30	3.60	2.59				3.55
August	6.70	6.20	2.30	6.30	3.90	3.00	2.60	6.90	3.75				4.35
September...	2.10	2.60	2.60	4.50	4.00	4.20	4.30	8.50	3.64				4.24
October	1.30	4.90	2.40	5.20	3.90	2.70	4.90	4.70	5.17				5.73
November...	3.00	2.20	2.30	4.50	2.40	.60	4.30	3.70	3.55				4.64
December...	2.70	7.00	3.20	3.70	4.20	4.60	1.70	1.40	3.13				2.60
TOTALS.	40.80	43.10	31.50	44.90	36.50	37.00	39.80	48.20	43.24	NR.			39.21

1921. Home 30 ft. High 5 ft. E

1928 25

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

Reference No. _____

Date.	Lat. N.	Long. ^{W.}	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1919	55° 52'	2° 48'	Fordefield	1 m.	N.W.	Kirk of Shotts	2 1/2 m.	N.W.

RAINFALL at *Airdrie (Forrethurn Reservoir)*County of *Lanark*Observer *A. Simpson G.E.*River Basin *3. Forth - Right Bank**T. Arthur Esq.*Type of Gauge *M.O.*Annual Average *37.1* in. based on *28* years obs. *un-weighted*. Period of average *1881-1915* Ref. *S*
computed x/37

Diameter	5"										
Height	0' 6" 1' 0"									6"	
Altitude	722'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.70	6.72	3.44	3.85	2.32	4.66	3.82	6.54	4.52	96	
February	3.68	.06	2.95	.53	4.33	2.56	4.84	1.26	4.32	1.69	
March	1.25	2.17	1.38	3.60	2.51	2.90	1.02	2.90	4.52	4.06	
April	2.53	2.77	1.69	3.95	3.47	1.29	1.25	.80	1.34	3.02	
May	3.32	3.02	2.50	2.25	.81	.65	1.82	4.43	1.04	3.55	
June	6.62	1.13	2.03	2.84	3.90	2.15	3.05	4.58	2.08	.36	
July	4.98	3.69	3.95	3.29	2.28	5.63	4.42	3.51	5.04	5.07	
August	3.75	1.48	2.22	3.73	1.83	2.63	4.63	2.27	1.48	1.97	
September	1.21	5.10	1.46	3.92	5.17	4.56	2.76	5.31	1.91	4.09	
October	3.46	6.28	3.19	5.74	7.46	3.93	4.80	7.27	2.12	3.07	
November	5.51	2.98	1.92	1.44	4.75	3.72	.69	7.47	7.01	4.07	
December	3.68	8.20	1.09	3.32	1.55	4.39	1.57	2.77	1.73	3.48	
TOTALS	42.69	45.60	27.82	38.46	40.38	39.12	34.97	49.66	37.11	35.89	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. House 25' high 50' E.

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
1931.			Forrethfield	1 $\frac{3}{4}$ m	N.W.	Sholto	2 $\frac{1}{2}$ m	S.W.

Station No.

5162

RAINFALL at Airdrie (Foinestburn Res')

41

County of Lanark Observer T. Aitken, Esq.River Basin 3-Forth-Right BankType of Gauge MAnnual Average 27.1 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	...	5"										
Height	...	1'0"	0.6									
Altitude	...	722'	735									
Year		1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	...	97	446	288	523							
February	...	309	(191)	488	138							
March	...	259	151	262	56							
April	...	141	195	220	271							
May	...	429	241	384	305							
June	...	86	127	447	358							
July	...	324	337	243	268							
August	...	470	356	488	466							
September	...	83	457	251	376							
October	...	366	605	573	433							
November	...	254	89	205	638							
December	...	195	323	201	312	#						
TOTALS	...	3013	3518	3990	4144							

+ Feb 1913 cond for snow.

new g. at 5162 ft. above has been asked to abandon old record and of 1914-15.

1944 n.p. check.

+ carried by Water Supt 20/1/43

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.

BRITISH RAINFALL ORGANIZATION

RAINFALL at

Airdrie

(Forrestburn Reservoir)

Station No.

5162/1

41

County of

Lancashire

Observer

T. Pittman, Esq.

River Basin

3 - C. Forth

Type of Gauge

M.O.

Annual Average 37.1 in. based on 28 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	5				897	213			5		
Height	10					1			1'0"		
Altitude	700					41			705'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January		-100	3.11	5.55	2.52	4.02	3.08	6.43	4.41	2.78	
February			4.53	1.47	5.18	2.25	0.87	3.08	4.41	4.18	
March			2.90	0.58	2.81	2.83	(2.71)	1.68	2.00	4.11	
April			2.46	2.88	1.99	1.24	2.91	2.17	4.04	3.90	
May			4.22	3.27	4.55	1.36	2.64	1.37	1.92	2.22	
June			4.81	3.86	3.28	2.95	2.70	4.55	1.12	3.36	
July			2.59	2.84	3.65	3.36	2.01	2.09	2.70	5.31	
August			5.37	4.87	2.59	3.35	0.04	4.09	4.23	4.24	
September		imp. imp. ⁻¹⁰⁰	2.73	3.89	5.86	6.41	3.30	2.42	2.54	9.17	
October		6.61	6.11	4.58	4.39	4.3	1.60	2.77	5.28	3.70	
November		.97	2.17	6.79	.59	4.05	5.61	3.01	4.60	3.51	
December		3.43	2.11	3.12	2.97	2.57	2.76	4.61	8.68	1.93	
TOTALS		-100 imp. imp.	43.11	43.70	40.38	34.82	30.73	38.27	45.93	48.41	

1942 imp. ~~imp.~~

1947 Mar. adj. for snow

1947 July ~~imp.~~ Inspected by Mr. Thomson with the County Water Engineer on 23.11.48. For notes see over.1948 New gauge ordered and to be re-sited. imp. ~~imp.~~ gauge was not.

21/12/48 New gauge installed on new site.

New M.O. gauge supplied May 1942
(used for four months at Annadale 5152/8/5)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.
1942			Forrestfield	1 1/4	NW	Shotts	2 1/2 m	SW

Station No. 5162/1

RAINFALL at Airdrie (Forrestburn Reservoir)

51

County of LancashireObserver T. Aitken Esq.River Basin 3- ~~South~~ Right BankType of Gauge m.o.Annual Average 37.1 in. based on 28 years obs. un-weighted. Period of average 1881-1915 Ref. 5
45.73 " " 2 " 1908-59 1916-50 8

File No.

Diameter ...	5"				897	213					
Height ...	1'0"					1					
Altitude ...	705'	735'				51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.80	4.14	2.29	4.37	2.42	2.27	5.49	3.72	1.61	4.17	
February ...	2.25	1.60	1.82	2.85	1.51	1.81	3.12	2.41	2.14	4.46	
March ...	3.93	2.14	.94	2.09	1.05	2.96	3.00	2.11	1.85	1.79	
April ...	3.17	2.07	2.54	2.15	1.82	.71	1.53	1.73	2.94	2.94	
May ...	2.13	1.44	2.52	4.14	3.63	2.23	2.44	3.81	1.72	2.36	
June ...	2.83	3.67	2.12	3.71	2.56	3.60	2.84	3.64	2.98	1.96	
July ...	3.95	3.25	6.52	3.70	1.30	4.94	4.85	7.04	5.66	2.56	
August ...	5.13	5.12	3.52	6.95	1.37	5.13	5.19	3.45	1.25	2.88	
September ...	2.96	2.92	3.55	6.19	3.65	4.77	2.46	4.40	1.22	2.04	
October ...	1.18	3.35	2.48	9.85	3.01	3.36	3.69	2.76	4.30	3.51	
November ...	5.90	2.67	7.39	5.68	1.88	1.22	2.42	2.09	6.74	4.57	
December ...	6.44	4.48	4.73	5.96	6.89	5.71	4.61	6.22	5.04	4.54	
TOTALS ...	43.47	36.85	40.42	57.64	30.99	38.71	41.64	44.88	37.45	37.78	
	D	D	D	D	D	D	D	D	D	D	

Ins Dec 1956. G. sound. Ground rises to N.E.O.W., slight slope down to S to ravine 30-40 yds away. G. bank & some ground beyond. Bank beyond stream is about 4' above gauge level. May be off G.S. More G. 25' SW to a hollow protected on all sides except the west. Bank partial high wall to close gap. G. may be used to be moved in 6-12 months to new filler house.
20-557 G. moved and partial high wall built.

April 1961. G. moved 50' W

Annual average 45.73 in. based on 28 yrs. obs. 1908-59. Too short. Period of average 1916-50. Ref. 8.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference 26/874649

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

Summary of Earlier Records from 10-year Sheets:

Dist

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C1904	✓	✓ Lat N. 29	✓	Comp 1942	
		25.37, 0.28-30	✓		