

RAINFALL AT Gawald Throter ReservoirLat. _____ Lon. _____ County of HaddingtonRain Gauge, by _____ Observer W. Ross Young Esq. C.E.
E. coast streams - 3.

Diameter ...										12	
Height										16	
Altitude	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January63	3.35	1.43	
February ...								1.21	1.34	2.20	
March								1.53	4.29	7.46	
April								2.20	2.36	3.10	
May								2.23	1.85	2.32	
June								2.83	.95	1.18	
July								2.55	3.68	2.73	
August								2.33	2.10	3.43	
September ..								1.54	2.65	3.30	
October ...								8.93	1.32	3.26	
November ..								2.34	1.60	.50	
December...								3.65	.47	3.86	
TOTALS ...								31.97	25.85	34.77	

1907 Gawald Church 2 miles S
 Gifford Station 4 . . S
 "Nothing near"

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

RAINFALL at Garvald, Thorter Reservoir

County of Haddington Observer W. Ross Young Esq. C.E.
 East Coast Streams 3. A. G. Morris Esq. C.E. (1913)
 River Basin Tyne 2.

Rain Gauge, by

Diameter ...	12			5							
Height	1	6									
Altitude ...				700							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.42	1.53	4.41	2.12	1.10	1.50	1.80	3.26	1.65	4.28	2507
February ...	3.10	1.50	2.17	.60	1.60	2.95	2.30	.50	1.90	1.10	1772
March	1.21	2.23	2.34	3.55	2.45	1.10	3.10	1.15	1.12	2.20	2045
April	2.75	1.43	.50	1.80	4.9	.60	3.15	1.25	1.12	2.70	1579
May	1.78	1.10	1.20	2.90	2.18	.80	4.45	1.25	1.40	.85	1731
June.....	1.80	4.90	2.30	.95	2.20	1.53	2.38	1.10	.14	1.30	1860
July	3.45	1.10	1.10	.25	2.30	3.40	3.70	1.50	1.75	.85	1880
August	4.90	.97	4.20	1.30	1.90	3.50	3.35	7.80	1.30	1.70	3092
September ..	1.48	1.15	3.20	1.90	.45	1.95	2.80	1.00	3.50	1.60	1903
October ...	4.10	3.73	2.30	2.50	2.03	2.35	4.00	3.10	3.30	2.10	2951
November ..	3.20	5.60	1.10	1.20	2.95	1.25	5.00	1.00	1.60	6.20	2910
December...	2.45	4.10	1.45	1.42	5.90	4.25	2.60	2.10	1.10	3.50	2887
TOTALS ...	33.64	29.34	26.27	20.49	25.55	25.18	38.63	25.01	19.88	27.18	27117

N.B. annual values repeated from Survey Map. 1929

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913			Gifford			Garvald		

RAINFALL at Garvald (Short Report)

County of Haddington

Observer J. C. Miller, Esq., F.G.

River Basin

S.E. coast streams.

Mr Andrew Robertson. (1925)

(1926) N.W.

Rain Gauge, by

Diameter ...	57					5	6"		5-		
Height	1.0						1'				
Altitude ...	700		715				700'				
Year	1920	1921	1922	1923	1924	(1925)	(1926)	1927	1928	1929	1930 MEANS
January	2.10	2.80	1.80			2.10	1.25	2.50	3.77	.80	4.27
February	2.00	1.65	1.20			1.50	2.70	.73	1.76	.57	1.00
March	2.50	1.10	1.50			.75	1.70	2.60	2.75	.13	1.93
April	2.25	.50	1.86			1.40	3.60	.98	1.08	1.66	1.55
May	2.52	1.30	.50			1.90	3.00	1.92	1.12	1.68	1.08
June	0.50	.50	1.10?			3.00	.50	2.85	4.80	1.90	1.30
July	3.50	1.00	3.40			3.40	2.10	4.04	1.81	2.80	5.08
August	4.90	3.40	2.20			1.10	2.60	6.18	4.20	4.88	6.08
September...	1.10	1.50	1.60?			3.80	3.60	6.72	1.80	.12	4.57
October.....	1.30	2.70	4.00			3.62	1.30	3.58	3.76	2.90	2.82
November...	1.80	1.50	.50?			3.25	.80	2.78	4.03	3.88	4.00
December...	3.00	1.15	1.10?			1.08	2.30	3.72	2.15	4.60	2.40
TOTALS...	28.45	19.10	20.76			26.90	25.45	38.60	33.03	24.82	36.08

120 objects near gauge - "none".

from here on

1925, low. n.p.

1926. The old float type of gauge has been replaced by type A. which will be used in future.

Site inspected by Dr. Glasperle 18.9.29

N.B. Annual values rejected from Survey Map. 1929Position 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
1920.	55°55' " 23°57'"		Gifford.	4.5m	w.	Garvald.	1mi	N.N.W.

RAINFALL at Gawald (Shorter Reservoir)County of HaddingtonObserver A. Robertson, C.E.River Basin 3 - East Coast StreamsJames Ross Eng (5/1939)Type of Gauge In. O.Adam Robson Eng.

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

Diameter	5"											
Height	1' 0"											
Altitude	700'										725	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.85	2.70	1.90	1.72	1.44	3.72	(3.00)	2.90	6.57	.93	26.73	
February	1.54	.68	2.00	.00	1.50	3.68	2.54	.95	1.84	1.53	16.26	
March	.63	2.65	.75	11.88	1.22	2.95	3.25	.40	3.32	2.63	22.88	
April	3.20	1.70	1.48	4.10	3.05	2.00	.93	.12	1.00	1.91	19.49	
May	2.87	3.05	1.40	2.30	1.12	1.15	2.68	2.95	1.30	1.71	20.53	
June	3.82	1.20	1.55	3.00	2.85	1.38	1.30	3.20	3.44	.45	21.19	
July	3.47	3.20	3.10	2.44	.70	3.62	3.68	3.20	2.80	9.55	35.76	
August	6.10	.39	.75	3.87	2.90	1.72	3.80	1.36	2.13	.99	24.01	
September	2.56	2.78	2.48	1.50	2.08	3.60	1.30	3.20	1.84	2.64	23.98	
October	1.63	7.32	3.30	3.15	0.10	1.90	3.78	5.30	5.30	4.91	41.79	
November	3.04	1.40	3.12	3.72	4.40	3.30	1.55	3.60	3.49	4.73	32.35	
December	.75	2.65	2.05	5.68	2.48	1.90	6.08	3.10	1.30	2.11	28.10	
TOTALS	31.66	29.72	23.88	36.36	29.84	30.92	(3.80)	30.28	34.33	33.19	31407	

new gauge 1925, records 1931-1932 seem reasonable 11-12-33.

1937 Jan estimated

Annual Average 26.0" rejected from survey as 7" 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.			Gifford & Linton	4.5m	W.	Gawald	1m	N.W.

Station No.

5096

RAINFALL at Garvald (Thorter Reservoir)

41

County of East Lothian Observer Adam Robertson Esq. ~~etc.~~

River Basin 3 - East Coast Streams

Type of Gauge

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

File No.

Diameter	5"			903	625						
Height	1' 0"				1						
Altitude	725'				44						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.92	3.30	2.34	1.63	3.15	1.36	3.78	6.75	1.43	.70	2.642
February	2.49	1.41	1.16	1.13	2.17	1.11	(1.00)	1.40	.73	2.85	1.551
March	3.10	.72	1.43	.52	.58	2.64	3.60	.93	1.21	2.27	1.700
April	1.64	1.04	1.06	2.23	1.17	.64	3.46	1.93	1.11	2.77	1.705
May	1.97	1.64	3.28	4.03	4.60	1.95	3.95	1.58	2.27	1.78	2.705
June	1.24	1.24	2.23	2.67	1.16	1.81	2.32	4.27	1.05	1.86	1.985
July	2.81	3.13	3.46	2.53	2.38	2.70	2.10	1.77	2.41	2.11	2.540.
August	2.80	2.07	3.14	3.34	4.79	5.30	.28	13.19	3.32	2.42	4.065.
September	0.78	2.10	1.65	5.15	3.07	3.20	1.39	2.64	1.28	5.19	2.645.
October	3.31	2.60	2.60	2.48	3.49	.67	.90	2.75	5.96	1.63	2.639
November	4.09	.74	0.80	5.86	.76	5.71	2.77	1.49	5.02	5.54	3.278
December	.68	1.56	0.93	2.73	2.60	2.43	2.32	2.61	2.59	2.10	2.061
TOTALS	26.83	21.55	24.08	34.48	29.92	29.52	27.87	41.3	28.38	31.22	29.516

20004

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.
1941			E. Linton	4 $\frac{3}{4}$ mi	N.	Garvald	1 $\frac{1}{4}$ mi NW

Station No. 5096

RAINFALL at Garvald (Garvald Reservoir)

51

County of East Lothian Observer Adam Robson, Esq.

River Basin 3 East Great Streams

Type of Gauge M.O. MRI 449

Annual Average in. based on years obs. un-weighted. Period of average
" 30.26 " " 37 " " within 1916-58. " " 1916-50 Ref.
" " " " " File No. "S"

Diameter ...	5"			903	625							
Height ...	1' 0"					1						
Altitude ...	725'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	3.10	1.96	.83	2.57	1.93	1.32	2.53	1.43	1.15	3.63		
February	3.18	.70	1.04	2.01	2.11	2.49	2.84	1.85	0.36	2.06		
March	4.11	1.15	.34	1.72	2.00	1.20	1.77	1.72	0.72	0.93		
April	3.23	1.83	3.53	.82	.66	.82	.92	2.67	1.92	1.06		
May	3.81	1.99	2.43	5.77	1.81	.58	1.28	1.77	0.50	1.11		
June	1.60	2.40	2.53	1.87	.82	2.41	1.36	2.85	2.43	0.80		
July	3.61	1.81	4.75	2.08	1.60	4.23	4.41	4.52	1.70	3.23		
August	5.02	2.71	2.03	6.58	.99	9.09	5.48	2.27	0.63	4.04		
September	0.70	3.81	3.51	2.95	1.13	3.98	1.58	1.74	0.54	2.65		
October	.51	3.03	2.48	5.18	2.17	1.26	1.91	1.53	2.05	6.41		
November	5.32	4.41	2.86	4.39	1.39	1.10	2.29	.75	6.32	3.32		
December	1.91	3.36	2.17	2.76	(4.61)	2.81	2.17	5.74	4.19	2.65		
TOTALS ...	36.10	29.16	57.70	38.67	21.22	31.29	28.54	28.84	22.51	31.89		
						w	w	w	w	w		

1955 Dec. amended
 1959 Little hovnd accepted Ins 9.8.60 R. Gamma. Q. only fair - minor can miss
now S. recommended - Q. on S bank f res. O/E
 to winds from NE. Also risk f sprays. Suggest overlap
 35° NE f present site.

00014

607695

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 564005625

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			East Linton	4.5	N	Garvald	1.4

Summary of Earlier Records from 10-year Sheets :

(p.9)

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		/	nr 23 + 24	/	/	✓ nr 44 + 50
		-	-	-		

Station No. 5096

51

RAINFALL at Canfield (Thorpe Reservoir)

County of East Lincoln Observer Adams Robson, Esq.

River Basin 3 East Coast Streams

Type of Gauge At M.O. Mt I

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

File No. R300

Diameter ...	5"										
Height ...	1'										
Altitude ...	725'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.10	1.96	.83	2.57	1.93	1.32	2.53	1.43	1.15	3.63	2045
February	3.18	.70	1.04	2.01	2.11	2.49	2.84	1.85	.36	2.06	1864
March	4.11	1.15	.34	1.72	2.00	1.20	1.77	1.72	.72	.93	1366
April	3.23	1.83	3.53	.82	.66	.82	.92	2.67	1.92	1.06	1746
May	3.81	1.99	2.43	5.77	1.81	.58	1.28	1.77	.50	1.11	2105
June	1.60	2.40	2.53	1.87	.82	2.41	1.36	2.85	2.63	.80	1707
July	3.61	1.81	4.75	2.08	1.60	4.23	4.41	4.52	1.70	3.23	3194
August	5.02	2.71	2.03	6.55	.99	9.09	5.48	2.27	.63	4.04	3881
September	.70	3.81	3.51	2.95	1.13	3.98	1.58	1.74	.54	2.65	2257
October	.51	3.03	2.18	5.18	2.17	1.26	1.91	1.53	2.05	6.41	2623
November	5.32	4.41	2.36	4.39	1.39	1.10	2.29	.75	6.32	3.32	3165
December	1.91	3.36	2.17	2.76	4.61	2.81	2.17	5.74	4.19	2.65	3237
TOTALS ...	36.10	29.16	27.70	38.67	21.22	31.99	28.54	28.84	22.51	31.89	29572

1957 a little low but accept.

Inspected 9/9/60. One - exposed to NW. Further details 11/11/62.

Gauge moved 35 yds. NW to slightly more sheltered position 23/9/60

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 36/602695

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1944			East Linton	4.3km N	Canfield	1km NW

Summary of Earlier Records from 10-year Sheets :

Record D, or d	C 1907	1910-19	1920-30	1931-40	1941-50	1951-60
		-	-	-	-	-