

## RAINFALL at East Fortune Sanatorium

County of Haddington Observer W. S. Morgan, Clerk of Works  
 River Basin 5. Firth of Forth

Snowdon Rain Gauge, by \_\_\_\_\_

Diameter ...												1930 MEANS.
Height .....												
Altitude ...												101' 13"
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January ...							2.27	1.41	2.66	.63	2.07	
February ...							1.96	.78	1.59	.76	1.43	
March .....							.58	1.62	1.40	.22	2.00	
April.....							1.52	.99	.56	1.86	1.00	
May .....							2.45	1.72	1.24	1.52	1.01	
June .....							2.78	2.60	4.49	1.86	1.36	
July .....							1.44	3.69	3.06	2.17	2.34	3.68
August .....							2.33	1.79	6.21	4.16	4.81	5.69
September...							4.23	4.58	6.02	2.30	.14	3.72
October.....							1.23	3.48	2.37	2.58	2.00	1.92
November...							1.08	2.61	1.98	2.40	2.85	2.83
December... <i>G from Known, Haddington +</i>							2.74	.27	2.86	1.40	2.14	.96
TOTALS...							-	27.98	31.62	26.95	20.18	27.67
								27	27	27	27	27

1925. No register until 9<sup>th</sup> June.  
 wooden hut. 12 ft high. 36 ft. N  
 Stevenson screen. 4 ft. 6 in. " 12. " N. N. E.

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
1925	56° 0' 20" N	2° 43' 15" W	E. Fortune	½ m.	E.	Athelstanford	1 ¼ m S.S.W.

RAINFALL at East Fortune SanatoriumCounty of Haddington Observer The Clerk of Works.River Basin 5 - Firth of ForthType of Gauge SnowdonAnnual Average 25.5 in. based on 2 years obs. un-weighted. Period of average 1931-1935 Ref S

Diameter	<u>6"</u>											
Height	<u>1' 4"</u>											
Altitude	<u>101'</u>											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.03	1.41	.96	1.14	.90	3.40	2.50	2.19	4.77	.91		
February	1.55	.39	1.78	.01	.78	3.06	2.62	.53	.94	.91		
March	1.09	2.64	.53	3.71	.98	1.90	3.41	.19	2.16	2.79		
April	2.01	1.37	1.78	3.69	3.05	.93	.59	.02	1.12	1.88		
May	3.03	2.69	.68	1.30	1.01	1.16	2.58	2.87	.85	1.33		
June	3.94	1.10	.99	2.28	2.40	1.37	1.25	3.47	2.04	.27		
July	3.38	2.12	2.50	3.13	1.01	3.36	3.35	2.52	2.34	7.79		
August	4.71	1.46	.72	2.42	2.73	1.91	2.82	2.61	1.37	.66		
September	1.73	1.25	1.40	1.37	1.95	3.58	.88	2.86	1.27	2.49		
October	1.67	5.55	2.26	2.38	5.49	1.30	3.83	4.60	2.99	2.34		
November	2.79	1.29	1.49	3.00	3.32	2.09	.23	2.95	2.01	3.36		
December	.38	2.11	1.78	3.32	1.21	1.42	4.82	2.13	.78	1.43		
TOTALS	28.31	22.37	16.87	27.75	24.83	25.48	28.88	26.84	22.64	27.16		
	d	d	d	d	d	d	d	d	d	d		

31. Wooden hut 12' high 36' N. Inspected 1934:- Site very good. Gauge and measure both in good order. No fault to be found with equipment of site. Gauge on grass lawn in front of low building which does not shelter it.

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.			E. Fortune	1/2 m	E.	Athelstaneford	1/4 m	S.W.
1934			E. Fortune	1/2 m	E			

Station No. 5105

RAINFALL at East Fortune ~~Seraphim Hospital~~ 41

County of East Lothian Observer The Clerk of Works  
 River Basin 5 - Firth of Forth  
 Type of Gauge Showman

Annual Average 23.2 in. based on 2 years obs. wt-weighted. Period of average 1881 - 1915 Ref. S

File No. X

Diameter	5"			901	812					
Height	1' 4"				1					
Altitude	101'				41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	2.28	3.25	1.03	0.99	4.35	1.29	1.94	4.28	1.48	0.92
February	2.60	6.2	.73	.97	1.56	1.16	1.56	1.35	.51	2.00
March	2.41	.67	1.04	.27	.71	2.32	3.42	.31	1.13	2.32
April	0.86	1.18	.82	1.44	1.23	.30	1.98	1.48	1.02	1.79
May	2.13	1.12	3.37	1.07	4.18	2.44	2.72	1.24	1.96	1.58
June	1.03	.72	1.88	1.82	1.72	2.02	1.94	2.89	1.04	2.31
July	2.45	2.31	2.40	2.23	1.86	2.88	1.51	1.19	1.77	2.82
August	2.32	1.72	2.90	2.76	3.16	3.33	.19	9.60	2.55	1.40
September	.614	1.52	1.25	3.50	2.97	3.25	.99	2.65	1.03	4.05
October	2.71	1.17	2.35	1.87	2.68	.65	1.09	2.59	5.49	1.57
November	1.83	.44	.57	4.58	.50	3.81	2.22	1.93	3.51	3.75
December	.50	.77	.81	1.62	1.68	1.81	1.93	1.15	2.53	1.96
TOTALS	21.82	15.49	19.15	23.12	26.60	25.26	21.49	30.66	24.02	26.47
										234.08

1946 small leak found at top edge of funnel, repaired in Sept. - p. loss.  
 1948. Gauge leaking but repaired after refilling on 26.1.48.  
 16% ✓

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

Station No. 5105

RAINFALL at East Fortune Hospital  
 County of East Lothian Observer Superintendent of Works  
 River Basin S-East of Berwick  
 Type of Gauge Standard

Annual Average 23.5 in. based on 2 years obs. un-weighted. Period of average 1881-1913 Ref. S  
 " 24.90 " " 30 " within 1926-58. " " 1916-50 " S.  
 File No.

Diameter ...	5"		901	812							
Height ...	1' 4"				1					1' 2"	on way
Altitude ...	401'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.84	1.11	0.64	2.24	1.70	1.91	1.90	0.81	0.73	3.12	
February	2.19	.57	.71	1.24	1.63	2.25	2.62	1.87	.24	1.51	
March	2.87	1.24	.24	.86	1.18	.85	1.81	2.09	.33	.96	
April	2.50	1.63	2.13	1.13	.62	.65	1.11	2.29	1.63	.51	
May	3.36	2.04	2.15	4.23	1.76	.64	1.05	1.98	.42	.93	
June	1.87	2.33	1.22	2.13	.82	2.19	.93	3.18	1.96	.65	
July	3.20	1.65	3.51	2.17	1.92	3.77	3.79	4.77	1.80	2.12	
August	4.08	2.51	1.90	4.80	.55	6.53	5.83	2.72	.29	3.49	
September	0.45	2.07	2.47	2.43	1.07	3.13	1.46	2.24	.54	1.70	
October	.27	1.09	1.01	5.13	1.12	1.28	1.22	.73	1.35	4.01	
November	3.86	2.61	2.19	1.83	.90	.64	1.39	.95	3.92	2.15	
December	1.15	2.24	2.30	1.59	3.89	1.79	1.94	3.45	2.90	2.08	
TOTALS ...	28.64	21.09	20.47	29.78	11.16	25.63	24.75	26.78	16.14	23.53	
	d	d	d	d	d	d	d	d	d	d	

Incl. 12.8.60 S-Shaw. Q. fairly good. Exp. Sat. Tree to NW elev 30° (clipped & standard wt 12/10/60). Telephone poles NW elev 32° NE 31°

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference NT(36)553793

Date.	Lat. N.	Leng.	Railway Station.	Distance from gauge	Direction 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
		C imp. 1925 ✓ 26-30.	✓	/	✓ p. imp. 4A ✓ lat 32 34 36 37	✓ b. d. 4+1