

RAINFALL at Swinton House

County of Berwick.

Observer per A. L. Swinton Esq.,

River Basin Tweed, Lower. 3.

T. Greenshields Leadbetter Esq.

Rain Gauge, by

Diameter ...										5'					
Height										178					
Altitude ...										175					
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.				
January85	2.40			
February ...											1.33	2.14			
March											1.44	1.64			
April											1.68	3.30			
May											3.19	3.19			
June											4.25	1.65			
July											1.27	1.77			
August											1.88	3.29			
September ..											.40	.71	1.33		
October ...											7.20	6.11	3.59		
November ..											3.08	2.03	2.97		
December ...											4.01	3.10	2.80		
TOTALS ...											imp. 27.84	30.07	16.87		

1906 - 1908 received 22.1.15 encl'd. 16.IX.15.

1906 Oct. 18th 1.86. Oct. 30th 1.31. Dec. 27th 15.81907 Oct. 8th 1.33. Absol. drought Sept. 12 - Oct. 41908 Oct. 27th 1.001910 Oct. 18th 1.07. Absol. drought Mar. 19-April 4 and July 5 - July 20.1911 June 24th 2.35. Dec 10th 1.15.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Swinton House

County of Berwickshire

Observer

A. E. Swinton Esq.

(1910-12)

Son of T. Greenfield

River Basin Tweed, Lower - Left bank trib. 3.

Tweedster, Ry.

British Rain Gauge, by N. & Z.
(from XI. 13)

Diameter ...				5								
Height				1 0								
Altitude ...	175 ¹			200								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS 1916-19	
January ...	2.48	1.53	2.59	1.78	1.33	2.06	1.95	3.62	2.62	3.41	11.60	
February ...	2.01	1.47	2.25	.61	1.07	2.07	2.91	.72	1.51	2.01	7.15	
March75	2.42		2.72	2.68	1.30	2.69	.88	.51	1.80	5.88	
April	2.45	1.35		2.46	.47	.44	1.73	1.86	.62	1.24	5.45	
May	1.64	.78		2.11	1.66	1.61	2.65	1.75	2.22	.69	7.31	
June.....	1.15	4.42		1.94	1.85	1.26	2.43	.85	.20	1.04	4.52	
July	3.86	1.04		.61	1.52	3.49	3.96	1.42	3.51	.36	9.25	
August.....	3.78	1.12		1.41	1.68	2.82	3.94	6.49	1.71	2.36	14.50	
September ..	1.18	1.59		1.56	.84	1.98	2.13	1.20	5.18	1.20	9.71	
October ...	3.59	3.29		1.35	1.49	1.75	2.99	4.25	2.84	2.57	12.65	
November ..	3.56	4.60		1.51	3.49	1.92	3.78	1.79	.94	5.22	11.73	
December...	1.96	4.33		1.84	3.25	4.61	3.60	1.14	1.74	3.20	9.68	
TOTALS ...	28.41	27.94		19.90	21.33	25.31	34.76	25.97	23.60	25.10	109.43	

→ 1910-1912 recd 21.1.15 entd 16.1.15.

1910 (house 38 ft. high 83 ft. 6. W. Trees from 7 to 64 ft. high walls directions above 49 ft. away)

note 1910 - Oct 1913 almost probably the hygrometer gauge - see sheet following.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913			Duns	4½ mls.	NNW.	Swinton	1½ miles	E.
1914	55° 43'	2° 19' 18"						

RAINFALL at Swinton House.

County of Berwick.

Observer A. E. Swinton Esq.,

River Basin Tweed, Lower - Lt. Bank (tiles 3).

Synops Rain Gauge, by

Diameter ...					5					
Height					10	9				0.10
Altitude ...					200					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...					1.41	2.12	1.98	3.60	2.48	3.37
February ...					1.18	2.12	2.75	.70	1.51	2.04
March					2.70	1.22	2.59	.86	.51	1.83
April53	.47	1.77	1.83	.66	1.29
May					1.69	1.62	2.68	1.78	2.20	.69
June.....					1.86	1.27	2.43	.84	.23	1.10
July					1.54	3.58	3.94	1.41	3.53	.41
August.....					1.72	2.85	3.92	6.49	1.76	2.38
September ..					.87	1.98	2.17	1.22	5.05	1.24
October ...					1.51	1.79	3.00	4.22	2.80	2.63
November ..					3.50	1.94	3.71	1.74	1.03	5.25
December...					3.21	4.63	3.56	1.10	1.83	3.20
TOTALS ...	28.61	27.94	Imp.	Imp.	21.72	25.59	34.50	25.79	23.59	28.43

1914. Gauge situated ² ft. E of standard gauge.

1910, 1911, 1912, 1913 see previous stat.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	55° 43'	20° 18'						

RAINFALL at Levinton House (Chester).County of Berwick Observer Rev. Richd. E. Leonton.River Basin S. Tweed, L. bank.Billy Rain Gauge, by N.C.G. No. 3171
B.R. cert.

Diameter ...	5"											
Height	1.2	1	.1									1'
Altitude ...	200						200'					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN	SUMS
January	2.11	4.41	2.03	1.41	1.64	1.18	2.43	1.68	3.31	1.53	1469	2327
February	1.79	49	2.04	2.80	69	4.30	2.64	68	1.35	1.56	1.446	1978
March	2.77	1.72	1.31	1.14	1.52	2.82	1.41	1.84	2.75	1.3	2.41	18.85
April	2.35	.58	2.03	1.35	.81	2.60	2.19	1.30	1.33	1.61	1.50	17.45
May	3.11	2.64	.68	2.03	4.19	3.51	2.01	1.77	.95	1.30	.76	22.95
June	.90	.69	1.93	.89	1.85	.34	2.90	3.11	4.17	2.05	1.30	20.13
July	3.51	2.67	4.14	1.53	4.13	1.79	3.66	3.57	1.82	3.85	3.12	33.31
August	3.02	4.16	2.04	3.78	3.07	2.82	2.78	6.65	3.52	3.90	3.65	39.39
September	1.60	1.15	2.02	1.50	2.37	4.33	3.55	5.14	1.51	.19	3.61	27.27
October	1.52	2.74	3.15	2.09	3.01	1.44	3.79	2.46	2.65	2.71	2.69	28.25
November	1.14	1.67	.86	3.62	1.05	1.60	2.63	2.87	2.58	2.67	3.53	24.22
December	3.43	2.03	2.12	2.36	2.41	(3.49)	.45	1.95	1.48	2.72	1.78	24.22
TOTALS.	27.25	24.95	24.85	24.53	25.76	(30.22)	30.49	33.02	27.42	23.52	27.08	299.09

1920. Sept. Height. Dist: 1925 Dec. 1 inch added for snow.
 200ft. 83.6 mi. 20.
 " 38 ft. 83.6 mi. 20.
 " 10ft. 40 ft. 40.777.
 " 41.64" 59" N.E.
 " 52.6" 83" N.W.E.
 " 49.6" 70.6 mi. E.
 " 39" 53.6" S.E.
 grass hedge 20" 53.6" S.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	Parish Church.	Distance from gauge
1920	55°43' N.	2°17' W.	Dunstan.	4.4 km. N.W.	Leonton	1.4 km. E.

RAINFALL at Selinton Gauge.

County of Berwick, Observer Rev'd E. Leonton
 River Basin R. Tweed, L. bank.
Gauge Rain Gauge, by _____

Diameter ...	5"									
Height	0.10									
Altitude ...	200									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEANS.
January ...	2.20	4.20	2.09	1.34	1.53					
February ...	1.83	.47	2.01	2.73	.61					
March	2.84	1.77	1.25	(1.12)	.54					
April.....	2.38	.60	2.00	(2.30)	.92					
May	2.22	2.69	.58	1.80	4.06					
June92	.70	1.84	.75	1.83					
July	3.56	2.69	4.16	1.61	4.26					
August	2.99	4.14	1.96	3.70	3.07					
September...	1.63	1.17	2.46	1.48	2.30					
October.....	1.59	2.78	2.99	2.08	2.93					
November...	1.20	1.70	.78	3.56	.97					
December...	3.33	2.02	2.00	2.40	2.35					
TOTALS...	27.69	24.99	24.12	23.92	25.37					
	0	2								

1920. The gauge 5' 4 ft. east of the standard gauge.

1921. Apr. 20th Gauge moved 4 ft. N.

→ tree 62 ft. 40° NNE.
20 ft. 14° ESE.

1923 no printed - check g. new caps. no rain. for brackets on D.

1924. 7. P. - check g.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.	55°43'	2°17'W.	Dunns.	44 m	N.W.	Selinton	164 m.	E.

RAINFALL at Swinton House (+A)

County of Berwick Observer Rev. A.C. Swinton, M.A.

River Basin 3 - Tweed, Lower - Left Bank.

Type of Gauge Inendor (B.R. 1975)

Annual Average 26.4 in. based on 15 years obs. un-weighted. Period of average (1931-1947) Ref. S

Diameter	5"											SUMS Means
Height	1' 0"											
Altitude	200'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	1.75	1.87	1.07	1.21	1.52	3.24	2.04	2.48	4.76	1.04	21.01	
February	1.60	.37	2.43	.36	1.39	3.40	3.34	.83	1.20	1.68	16.60	
March	1.24	2.71	.84	3.37	2.10	1.90	3.34	.69	2.64	3.06	21.89	
April	2.59	2.32	1.62	3.55	2.83	1.28	1.04	.23	1.39	1.54	18.37	
May	2.66	1.97	1.04	1.44	.83	1.70	3.52	2.65	.79	1.00	17.60	
June	4.21	1.29	1.27	2.31	3.08	1.48	1.48	3.44	1.87	.58	21.01	
July	4.33	2.71	3.72	3.24	1.30	2.92	2.95	2.29	2.34	7.15	32.95	
August	2.81	1.11	1.36	2.81	3.14	1.47	2.95	.94	1.91	.65	19.15	
September	1.71	3.66	.96	2.84	3.47	2.81	1.15	2.42	.99	1.91	20.42	
October	1.12	4.91	3.47	3.92	3.81	1.47	2.77	4.18	3.26	2.99	31.90	
November	3.38	.98	2.54	2.48	3.32	3.25	.62	3.50	2.71	3.56	26.34	
December	.57	1.26	1.27	3.37	1.36	1.74	4.80	2.33	1.13	1.72	19.56	
TOTALS	27.97	25.16	21.59	30.40	27.15	26.66	30.03	25.98	24.99	26.88	266.81	

(so)
House 35' high 36' N.
Tree 10 ft high 18° E.

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.			Lemo	4 fm	N.N.W.	Swinton	1 fm	E.

Station No. 5088

RAINFALL at Swinton House

(+ A)

41

County of Berwick Observer Rev. A.E. Swinton M.A.

River Basin 3-Tweed Lower-left Bank

Type of Gauge (P.A.) ?

Annual Average 20.4 in. based on 19 years obs. un-weighted. Period of average 1881 - 1915 Ref. S.

File No.

Diameter	5"				918	812					
Height	1' 0"						1				
Altitude	200'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	MEAN
January	3.12	3.61	2.28	0.80	6.17	1.46	1.79	6.58	1.59	1.28	28.68
February	4.04	2.13	.99	1.36	1.75	.72	1.61	1.30	1.70	2.56	17.16
March	2.90	1.55	1.07	.85	.64	1.90	3.93	.39	1.45	1.51	16.19
April	1.43	.69	.81	1.64	1.24	.31	2.72	1.83	.86	1.90	13.43
May	1.59	2.00	4.60	2.43	4.53	1.30	2.83	1.59	1.32	1.69	23.88
June	1.66	.89	1.95	2.40	2.36	2.05	3.33	3.14	1.65	2.06	21.49
July	2.16	1.89	2.00	2.87	2.09	2.26	2.74	1.22	2.14	1.82	21.24
August	2.94	1.52	4.24	2.31	3.16	5.17	.23	10.15	1.97	2.71	34.40
September	0.63	2.52	1.70	4.57	2.51	3.63	1.30	2.31	1.25	3.80	24.22
October	4.02	2.44	2.01	2.15	3.54	.59	.80	2.59	5.38	1.58	25.10
November	2.53	.31	2.12	4.44	.75	4.80	2.45	1.53	3.10	5.39	27.42
December	.40	1.63	1.26	2.04	2.03	1.75	1.66	1.55	2.43	2.06	16.81
TOTALS	27.42	21.18	25.03	27.86	30.77	25.94	25.39	34.18	23.89	28.36	270.02

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

BRITISH RAINFALL ORGANIZATION

Station No. 5088

RAINFALL at Sunken House (+9)

51

County of Berwick

Observer Canon G. E. Swinton, M.A. (1954)

River Basin Tweed Lower Left Bank

Type of Gauge (B.M.)

(A)

Annual Average 26.4 in. based on 19 years obs. un-weighted. Period of average 1916-1950 Ref. 5
27.01 - - 35. - 1916-1950 File No. P

Diameter ...	5'			918	812						
Height ...	1' 0"					1					
Altitude ...	200'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.54	1.54	0.96	2.14	1.71	2.51	2.87	1.33	1.57	3.85	
February ...	1.79	.72	1.31	1.98	2.80	2.42	3.09	2.04	.38	2.35	
March ...	2.94	1.27	.30	1.06	1.09	.64	1.70	2.85	.48	1.23	
April ...	2.71	1.32	2.93	.65	.60	.64	.42	2.22	1.50	.66	
May ...	3.24	1.93	2.57	4.34	2.08	.54	1.54	2.10	.45	1.58	
June ...	1.11	1.93	1.59	2.51	1.68	2.54	1.65	3.14	1.90	.98	
July ...	2.01	1.25	2.94	1.92	2.17	3.19	2.85	3.84	3.13	3.56	
August ...	3.18	3.50	2.18	4.94	.43	9.11	3.92	3.56	.51	3.37	
September ...	0.94	2.21	2.04	3.12	1.23	3.05	1.98	2.02	.60	1.77	
October44	2.70	1.35	4.18	2.27	1.28	1.57	1.23	1.99	5.76	
November ...	5.32	3.59	2.16	2.66	1.21	.69	1.37	.94	4.53	2.39	
December ...	1.18	3.91	1.76	2.02	3.73	2.28	2.26	3.86	3.20	1.91	
TOTALS ...	28.40	25.87	22.08	31.52	21.00	28.89	26.22	29.13	20.24	29.39	
	D	D	D	D	D		D	D	D.	D.	

WinSp - 19 - 3.58

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SX(36) 812470

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ b.d imp 1912 - b.d 13 & 19	✓ ✓ b.d - 26	✓	✓	✓