

St. Abbs Head.

LN

Bennick.

+ Ground 4 in

+ Sea Level.

6. Coast Stream - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				2.45	.67	1.28	1.37	1.59	1.16	2.21	
February - -				.22	2.54	1.97	2.20	.97	1.04	.84	
March - - -			2.12	.53	2.41	.40	1.99	1.47	1.27	.49	
April - - -			1.47	.99	.77	1.15	.69	1.54	2.49	.65	
May - - - -			2.94	1.21	2.37	3.12	.61	1.95	1.20	1.57	
June - - - -			2.98	3.19	1.49	.24	.18	1.31	.21	2.28	
July - - - -			1.52	.30	.67	2.80	4.10	5.75	.46	.45	
August - - -			2.96	3.01	1.53	3.05	1.68	.71	3.04	1.22	
September -			.88	1.95	2.63	.21	2.64	1.96	2.93	2.74	
October - -			2.47	1.47	5.74	5.29	1.33	.97	1.90	1.73	
November -			.77	2.32	2.21	2.51	2.08	.10	1.28	.88	
December -			1.77	1.25	2.52	1.11	1.41	2.09	3.38	1.22	
TOTALS -				18.89	25.55	23.63	20.28	20.41	20.36	16.28	

C C C C C C C C

St. Abbs Head. L.N. Bennick.

RAINFALL AT *S<sup>t</sup> Able Head*

Lat.....

Lon.....

County of.....

*Berwick*

Rain Gauge, by.....

Observer.....

*Board of Northern Lights**1. Coast Steam - 5.*

Diameter .....	—											
Height .....	4											
Altitude .....	211 <sup>?</sup>											
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.11	1.06	2.96	1.74	.77	2.15	.54	3.84	2.18	1.11	1.446	
February.....	2.06	2.33	2.45	1.54	1.56	1.09	2.84	1.33	.60	2.17	1.444	
March .....	.77	.55	2.25	1.54	1.37	.88	1.90	2.57	.78	1.00	1.361	
April.....	.43	3.23	2.46	.30	.63	.66	4.04	2.88	1.67	2.10	1.840	
May .....	1.00	.77	2.76	2.23	1.30	.57	.68	1.49	2.52	1.80	1.520	
June.....	1.19	1.88	2.40	.74	.17	2.02	2.39	3.02	2.02	3.60	1.943	
July .....	.90	2.10	2.21	3.32	2.59	3.38	1.14	2.80	.58	4.12	2.322	
August.....	1.79	.98	2.98	2.92	3.92	1.33	3.42	5.90	2.96	3.13	2.933	
September.....	1.61	1.74	4.57	3.10	1.87	3.88	3.99	1.05	2.61	.75	2.514	
October.....	3.03	1.90	5.01	3.11	1.92	2.87	1.31	2.79	2.53	.48	2.450	
November.....	2.54	1.76	3.55	1.68	3.10	3.24	4.13	1.74	5.17	2.04	2.895	
December.....	3.58	1.91	2.84	1.02	2.86	1.13	6.75	1.25	2.94	1.01	2.529	
TOTALS .....	20.22	20.21	36.41	22.74	22.06	22.70	33.13	30.66	26.56	23.31	23.800	

*1871 One day late*

# RAINFALL AT St. Abb's Head

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Perwick

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

Observer Ed. of Northern Lights.

L. Coast stream - 5.

Diameter ....											
Height .....	0.4										
Altitude ....	211?										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.72	1.59	.80	2.19	2.24	1.51	1.55	.79	1.03	.63	1.297
February ....	1.40	1.58	.61	1.70	.84	1.47	.46	.53	.98	1.48	1.105
March .....	1.04	1.90	1.40	1.63	1.81	.99	1.77	1.09	1.84	2.22	1.569
April .....	2.01	.57	3.40	1.39	1.45	1.97	1.17	1.47	.95	1.55	1.593
May .....	.59	1.94	1.97	.41	1.27	2.24	2.69	1.76	.70	2.01	1.608
June .....	.64	1.09	3.34	2.16	.68	.55	1.40	.45	2.27	.44	1.302
July .....	3.65	2.65	2.27	4.85	3.84	1.21	2.98	1.19	4.51	4.66	3.181
August .....	.33	4.35	1.14	1.89	.38	2.32	2.04	1.67	1.43	3.71	1.929
September ....	3.55	3.25	1.37	2.57	2.04	2.24	1.84	3.66	.76	1.01	2.229
October .....	2.90	2.03	2.49	1.53	1.64	2.54	2.45	.95	.84	3.92	2.129
November ....	3.68	2.10	2.50	1.02	2.08	1.19	2.12	2.21	3.77	1.01	2.168
December ....	3.23	1.19	3.29	1.01	1.24	.37	3.50	2.04	.88	1.37	1.811
TOTALS ....	23.74	24.18	24.58	22.85	19.51	18.60	23.97	17.81	19.96	24.01	21.921

Jan 1881 estimated from W. Foulton



# RAINFALL AT St Abbs Head

Lat. ....

Lon. ....

County of Berwick

Rain Gauge, by .....

Observer Board of Northern Lights

E. Coast stream - 5.

Diameter ....											
Height .....	04										
Altitude ....	211										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	1.84	.92	1.02	1.60	1.63	2.61	.94	.96	.32	2.74	1.458
February ....	.68	.05	1.15	2.64	4.00	.78	.62	.70	.97	1.66	1.325
March .....	1.85	2.87	.73	.71	.90	2.23	1.53	2.71	.73	.56	1.452
April .....	.33	.90	.71	.77	.89	1.04	.72	1.15	2.33	2.20	1.104
May .....	1.62	1.41	1.26	.91	2.23	.41	.63	.90	1.71	3.97	1.505
June .....	1.35	.75	2.65	1.95	1.50	2.07	2.12	2.48	1.48	1.07	1.742
July .....	1.77	2.59	1.29	1.91	2.32	4.91	2.52	2.54	.80	5.30	2.595
August .....	2.64	4.09	2.69	1.47	2.84	3.43	1.92	2.74	2.09	1.15	2.506
September....	1.24	4.39	1.06	1.56	.75	.45	2.52	1.42	.99	2.22	1.660
October .....	2.82	1.55	3.63	2.11	3.02	5.23	5.19	1.34	3.80	2.10	3.079
November....	3.96	2.08	.99	2.42	.70	1.81	1.41	1.64	2.53	1.81	1.935
December ....	1.37	3.20	.97	1.49	1.65	2.61	5.35	2.19	.82	3.30	2.295
TOTALS ....	21.47	24.80	18.15	19.54	22.43	27.58	25.47	20.77	18.57	28.08	22.686

# RAINFALL AT St. Alb's Head

Lat. ....

Lon. ....

County of Berwick

Rain Gauge, by .....

Observer Board of Northern Lights

E. Coast streams - 5.

Diameter ..	...	8'										
Height ....	0.4	43										
Altitude ..	211	200						224				
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.12	2.16	1.27	2.40	2.44	.44	1.40	.34	1.95	1.72	1.624	
February ..	3.96	1.62	.72	3.44	1.81	.90	.61	1.61	.90	1.41	1.698	
March ....	1.00	1.57	1.33	1.67	1.45	1.80	1.78	1.49	2.68	4.30	1.907	
April .....	1.27	1.79	1.65	.57	1.31	2.59	1.02	1.15	1.93	3.00	1.628	
May .....	.85	2.43	2.38	1.04	1.97	.62	5.68	3.62	2.51	1.66	2.276	
June .....	3.39	1.18	2.35	1.49	1.47	.05	1.23	5.02	1.18	1.42	1.878	
July .....	2.50	1.19	2.53	5.87	.98	2.58	.68	1.92	3.33	2.91	2.149	
August ....	4.89	2.21	1.63	2.94	2.54	2.66	5.47	1.64	.90	2.14	2.702	
September ..	1.06	.82	1.23	1.76	.19	1.59	.10	1.28	3.32	1.67	1.302	
October ....	4.33	1.02	1.30	6.58	.25	3.69	5.92	3.99	3.40	2.68	3.316	
November ..	4.57	2.09	1.79	2.45	2.47	3.50	2.42	3.37	1.75	.57	2.1498	
December ..	2.41	3.57	4.25	1.52	1.71	.52	1.30	2.32	.97	3.42	2.199	
TOTALS ..	32.35	21.65	22.43	31.73	18.59	20.94	27.61	27.75	24.82	26.90	25.477	463

*W.H.S.*

RAINFALL at St. Abb's HeadCounty of Berwick  
East Coast Streams 5.  
River Basin Tyne 16 2.Observer Bd. of Northern Lights.

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

Diameter ...	8											
Height .....	4	3										
Altitude ...	224											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums
January ...	1.34	1.70	2.88	2.45	1.17	3.18	1.79	3.02	1.57	2.07		167
February ...	2.49	.98	2.15	.90	1.42	2.94	2.69	.86	.78	1.50		845
March .....	.85	1.52	2.72	2.10	2.81	2.72	3.48	2.23	1.41	1.08		583
April .....	1.85	1.37	.18	2.16	.88	.46	2.65	2.46	.60	.37		820
May .....	.84	.52	1.83	2.33	.92	1.03	4.63	1.95	1.74	.07		608
June .....	.63	2.07	3.45	1.07	1.59	1.77	3.20	1.02	.31	.09		839
July .....	2.85	.72	1.54	.83	1.90	3.05	4.21	1.68	1.62	-		462
August .....	4.26	.81	4.76	1.37	3.21	3.75	2.43	6.28	.57	1.52		-
September ..	1.05	1.35	2.15	1.69	.47	3.44	.69	1.22	1.20	1.20		1080
October ...	2.56	3.06	2.25	.87	1.97	2.72	4.09	3.36	1.58	1.55		131
November ..	2.95	3.69	1.34	1.52	3.68	2.23	3.44	1.41	.33	2.73		1058
December ...	1.59	4.32	1.95	1.98	4.14	5.44	2.46	1.01	1.10	3.67		791
TOTALS ...	23.26	22.11	27.20	19.27	24.16	32.73	35.76	26.60	12.81	15.85	22.95	824

1918 "Bad" not published.

1919 — — —

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



RAINFALL at St. Abb's Head,County of Berwick Observer Board of Northern Lights,River Basin 5 East Coast Stream

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

Diameter ...	8											
Height .....	43											
Altitude ...	224											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	1.62	3.85	2.51	1.46	1.59	1.21	2.80	1.53	2.72	1.66	1.70	22.71
February ...	1.07	1.13	1.84	3.04	.74	3.68	2.91	.43	1.84	.95	1.28	19.91
March .....	2.95	1.19	1.33	.69	.31	3.36	.42	1.71	2.58	.45	1.93	16.92
April .....	1.58	.65	1.85	1.71	.78	2.67	1.90	1.53	.94	1.71	2.10	17.22
May .....	2.05	1.69	.37	2.32	3.36	3.26	1.18	2.51	.54	.80	.60	19.68
June .....	.21	.84	1.69	.94	2.85	.26	2.82	2.74	3.97	2.11	.75	17.11
July .....	2.75	2.08	3.94	1.13	4.36	1.95	2.97	1.97	2.50	2.41	3.48	29.58
August .....	2.48	2.63	1.56	3.88	2.33	2.23	1.86	6.14	5.32	3.81	3.97	38.21
September...	2.20	1.40	2.89	1.58	3.48	3.53	3.70	5.52	1.20	.82	3.93	39.72
October .....	.77	2.79	2.19	2.16	5.04	1.94	3.07	2.27	2.35	2.51	2.16	27.25
November...	.97	1.81	.99	3.92	1.08	1.87	2.83	2.66	3.35	2.95	3.65	26.08
December...	2.12	1.48	1.85	2.87	2.03	2.82	.61	2.24	1.53	3.02	2.13	23.70
TOTALS...	23.57	22.54	23.01	25.57	27.95	28.78	27.07	31.25	28.84	22.70	27.71	

Catechium 1926 8 in garden 11 yds from nearest wall; the hill rises at an angle of  $45^\circ$  just behind the wall to a height of 50-70 ft. on west side round by N to NE; similar from E to SE but hill further away; from SE to SE there is a deep hollow outside garden wall. Garden surrounded by wall about 3 ft high, 140 yds away to SSW & NNE, only 20 yds away to S. 3. A tube 5 ft 6 in above ground.

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

(Shore S.g. Stn)

RAINFALL at St Abb's Head 1 (ddy) MWR

County of Berwick Observer Com'n of N. Lighthouses

River Basin 5 - East Coast Streams Chief Officer (M.O.)

Type of Gauge

Annual Average 23.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

Diameter	8"										
Height	6' 6"										
Altitude	212'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.17	1.64	1.00	.91	1.07	3.40	1.17				
February	2.30	.62	1.38	.80	1.23	1.86	3.10				
March	.92	3.10	.75	2.74	2.22	1.84	3.17				
April	2.49	2.19	1.46	3.37	3.13	1.08	1.50				
May	3.58	1.93	1.27	1.65	.85	.87	3.27				
June	5.72	2.12	1.58	1.85	3.10	1.88	1.67				
July	3.50	3.05	3.36	2.42	1.00	2.35	2.38				
August	2.40	.11	1.37	2.85	2.59	1.03	1.57				
September	1.31	3.84	1.15	1.80	2.82	3.95	.74				
October	1.61	5.25	3.10	2.28	3.05	1.00	2.78				
November	4.73	1.12	2.13	3.18	3.66	3.00	.70				
December	1.04	1.58	2.07	3.20	2.78	1.03	4.10				
TOTALS	31.77 M.	26.55	20.62	26.22	27.50	22.99	26.15 np				

1937 np check

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	Direction from gauge

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



(Shore Sig. Serv.) (1938)

RAINFALL at St. Alb's Head (1937)County of BerwickshireObserver Com'n of N. Light HouseRiver Basin S. East Coast Stream

Chief Officer (M.O.)

Type of Gauge M.O.

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

Diameter							5	8			
Height							1	10			
Altitude								270			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January							2.76	3.03	3.86	2.32	
February							3.10	.62	1.52	1.38	
March							3.05	.58	2.20	3.02	
April							1.63	37	1.32	1.54	
May							3.17	2.50	.54	1.44	
June							1.68	2.62	2.05	.41	
July							2.60	2.91	2.87	3.79	
August							2.22	1.98	1.27	1.00	
September							1.23	2.27	1.52	2.33	
October							3.11	4.04	4.85	3.19	
November							.83	3.26	2.72	3.84	
December							4.45	2.80	1.58	1.59	
TOTALS							29.83	26.98	26.30	30.85	
							D	D	D	D	

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, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at St Abbs Head (Shore Sig. Sta.) Edg. 41Station No. 5094County of Berwick Observer Chief OfficerRiver Basin E - East Coast Stream

Type of Gauge

Annual Average 23.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. & N.

File No.

Diameter	8"										
Height	5' 6"										
Altitude	212'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.65		.34								
February	2.05		.90								
March	1.76		.58								
April	.85		2.23								
May	1.35		1.68								
June	2.12		2.65								
July	2.34		2.36								
August	2.92		2.36								
September	.45		4.67								
October	3.00		2.61								
November	2.51		3.72								
December	.45		1.95								
TOTALS	21.45 np.		26.65 D								

1941 np check. has, to be discontinued as 5094/1 is satisfactory

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.

Station No. 594/1  
 RAINFALL at St. Abbs Head (Shore Sig. Stn.) H.W.R. 41

 County of Berwick Observer Chief Officer (Mo.)

 River Basin 5 - East Coast Seaboard

 Type of Gauge M

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

File No. ....

Diameter	8"				904	360			5"		
Height	1' 0"					3					
Altitude	270'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.41	3.20	2.78	0.54	3.70	1.00	2.65	3.36	1.69	0.91	
February	4.44	.93	.92	.90	2.10	.65	1.36	.84	.76	2.13	
March	2.43	.82	1.06	.58	.51	1.54	4.68	.49	.91	1.55	
April	1.09	1.02	.85	2.23	1.05	.48	2.69	.35	.93	1.99	
May	1.27	3.24	2.77	1.68	5.12	1.96	3.22	.69	1.05	1.89	
June	1.91	1.08	1.91	2.65	1.92	2.06	1.70	1.43	1.33	1.39	
July	1.72	2.01	1.19	2.36	1.86	2.09	1.75	.74	2.33	2.45	
August	3.35	1.72	3.62	2.36	4.20	4.85	.10	9.75	2.16	2.54	
September	0.59	2.11	2.01	4.67	2.59	3.56	1.09	2.28	3.02	3.89	
October	3.67	2.04	2.02	2.61	3.76	.77	.75	2.77	4.68	1.26	
November	3.18	.47	1.95	3.72	.63	5.56	2.09	1.13	2.58	5.09	
December	.46	1.61	.96	1.35	2.79	2.61	2.43	2.05	1.82	1.33	
TOTALS	26.52	20.25	22.04	26.65	30.23	27.13	24.51	25.88	22.26	26.42	
	D	D	D	D	D	D	D	D	D	D	

1948. Gauge to be inspected Nov in 1949. Suggest early Nov - Jdy.

1949. Inspected 17.11.49. (see over)

1949 Tuf wall built with 5" gauge now in use.

 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



St. Abbs Head Lighthouse

Station No. 594/11 HWR

## RAINFALL at St. Abbs Head Shore Signal Station 51

County of Berwickshire Observer Chief Officer (for M.O.)River Basin S. East Coast Streams Northumbria BoardType of Gauge H.D. 4247/24  
m 19762143Annual Average 27.55 in. based on 13 years obs. un-weighted. Period of average 1916-50 Ref. 43  
23.60 By N. Howard 1954 1916-50 File No.

Diameter ...	5"					904	360			5"	
Height ...	1' 0"						3			1' 0"	
Altitude ...	270'			245'			51			245'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.80		1.00	1.36	1.27	1.96	2.38	2.03	0.99	3.21	
February ...	2.41			1.80	1.17	1.48	1.66	1.84	.22	1.41	
March ...	2.20			.87	.50	.76	1.89	2.40	.52	.95	
April ...	2.84		# -100	.67	.85	.50	.41	.98	1.85	.99	
May ...	2.78			1.85	2.21	1.20	.31	1.17	1.48	.56	1.84
June ...	-100	#		1.40	2.42	.92	2.06	.76	2.27	1.25	.76
July ...				1.75	1.52	1.19	3.40	3.10	3.56	1.33	2.67
August ...				2.02	3.42	.32	3.99	3.25	4.25	.37	3.17
September ...				2.69	2.01	1.05	3.17	1.37	1.59	.55	1.75
October ...				1.22	3.62	1.53	1.16	1.34	1.25	2.12	2.57
November ...				1.69	2.78	1.15	.53	.38	.71	2.11	1.50
December ...	-100			1.45	1.33	2.62	2.46	1.65	2.80	3.07	2.20
TOTALS ...	-100 INC		-100 inc	24.01 D	13.77 D	21.78 m.p.	19.36 up low	25.16 m.p.	14.94 m.p.	23.02 D	

1954 Insp (1) Gaulty 1.6.54. Gauge found. Site slope 15°, cliff edge 10' E. of the lighthouse 3 satisfactory. No other alt. available.

1955 Insp 18/6. To Buchanan. Gauge with 10' in. in corner of ship. gauging field outside well and containing 10' in. building. Ship has moved gauge. Fence advisable. Staff indicated in the water. Good slopes supply EN. 10' well exposed. Considered satisfactory.

1956 Insp 18/6. G. found. Ground slopes 1:23 generally, but 1:25 near gauge (G. 1?). Exp. said to be satisfactory. Insp 16/5/57 E.E. Jessop. G. 82' from city 200' cliff. Twp well cut but not improve exposure. G. not to be moved at present.

1957 Insp. L.L. 8/11/57 5/9/57. G. 8' from cliff edge - overexposed to E.

1958 Insp. L.L. 8/11/58 3.6.58 - Overexposed all directions except N. - NW. No change.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference 36/9146981

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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 1937	✓	T 1951
			✓	✓	