

RAINFALL at Berwick on Tweed, The Ramparts.

County of Northumberland Observer J. H. Haffam (Boro' Surveyor)
 River Basin Tweed for Town Council.
 6 Boro' Surveyor.

M.O. Rain Gauge, by _____

Diameter ...			5"								
Height			1-0								
Altitude ...			76								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...					1.76	.66	2.57	1.30	2.29	1.61	2.15
February83	4.31	2.23	.53	0.81	1.48	1.13
March40	1.89	.69	1.69	2.37	.12	1.70
April.....					.98	2.20	1.87	1.21	0.99	1.42	1.45
May					4.32	2.89	2.22	1.88	0.84	1.07	.50
June78	1.95	.36	2.76	2.55	3.77	1.82
July					1.32	3.68	1.73	3.59	2.61	2.45	2.65
August					3.80	1.89	2.03	2.21	6.56	3.62	3.57
September...					1.17	2.87	3.80	3.57	5.22	1.04	.31
October.....					1.46	3.64	1.13	2.31	1.68	1.44	2.19
November...					3.47	.75	1.82	2.68	2.37	2.62	2.34
December...					2.06	1.50	2.60	.41	2.30	1.20	3.13
TOTALS...					24.57	26.44	28.11	29.90	23.24	21.81	27.07

1926. Sun Railing 5' 6" high, 9ft. S.E. by W.

Sun Recorder 4' 5" " , 6ft N.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1926	55° 46' 6" N	1° 59' 42" W	Berwick	.72	WNN	Berwick	500	NW by W

RAINFALL at Berwick-on-Tweed, (Ramparts) M.W.R.

County of Northumberland

Observer The Borough Surveyor

River Basin Tweed - b

Type of Gauge 7.0

Annual Average 23.4 in. based on 4 years obs. un-weighted. Period of average 1.3.31 - 1.3.35 Ref. S Ayo. Shd

Diameter	5'					5"				5'	
Height	1.0					1.0"				1.0"	
Altitude	76					76'				74'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total
January	2.03	1.00	1.05	1.03	0.99	3.73	1.93	2.17	3.02	1.85	1780
February	.82	.49	2.13	.19	1.12	2.90	2.76	.50	.64	1.04	1259
March	.69	3.01	.56	2.34	1.91	1.94	3.22	.80	1.70	2.64	1881
April	1.64	1.19	1.93	3.17	3.53	1.13	1.36	.15	.99	1.83	1595
May	2.87	1.76	1.33	1.21	.76	.85	2.44	2.05	.52	1.19	1531
June	3.66	1.55	1.26	1.93	2.39	1.06	1.25	2.37	1.46	.65	1758
July	3.17	2.19	2.61	3.52	.69	2.93	2.56	3.04	2.32	7.67	3070
August	1.15	.84	1.22	2.71	3.24	1.21	2.74	1.28	1.33	1.24	1696
September	.91	3.27	.97	1.97	2.75	3.38	.56	2.30	1.58	2.01	1970
October	1.33	4.37	2.93	3.84	2.56	1.36	2.19	2.73	2.46	2.43	2620
November	2.80	.63	2.16	1.90	3.00	2.47	.34	2.55	1.88	2.78	2051
December	.71	.93	1.44	3.60	1.66	1.21	4.26	1.78	1.20	1.45	1824
TOTALS	21.81	21.23	19.59	27.41	24.60	24.17	25.94	21.72	19.10	24.78	23035 KM.
	D	D	D	D	D	D	D	D	D	D	

Inspected 4/IV/35 anti sq. satisfactory

Inspected 11/8/36. Inspected 20.7.37 a well sheltered & wind swept exposure

Transferred 1939. The aneroid moved to a position 4' from the Stevenson screen, and 7 1/4" from Northwesterly & Easterly houses.

Position of Station on reduced Ordnance Survey Map. } No. of Map.....
1 mile to 1 inch Series

Reference No.....

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

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

Station No. 3601

RAINFALL at Berwick-on-Tweed (Ramparts) M.W.R.

41

County of Northumberland

Observer Borough Surveyor

River Basin Tweed

Type of Gauge

Annual Average 23.4 in. based on 4 years obs. un-weighted. Period of average 1881-1915

Ref. S.A.W. Shad

File No.

Diameter	5"		924	257							
Height	1'			1							
Altitude	761 ft			41							74
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.61	2.24	1.94	1.65	4.60	81	1.54	4.58	1.10	1.72	1979
February	2.25	.77	.79	.89	1.82	.73	1.80	1.04	.50	1.73	1232
March	1.92	.67	.63	.68	.26	1.13	4.11	.84	.76	.87	1127
April	.87	.50	.71	1.62	1.38	.63	2.18	1.00	.61	2.16	1166
May	1.57	1.76	2.41	1.52	4.72	1.33	2.29	1.10	.74	1.35	1882
June	1.16	.89	1.87	1.81	2.34	1.52	1.87	3.00	1.14	1.15	1075
July	1.59	2.21	1.19	2.01	1.28	2.03	2.65	1.39	1.51	1.96	1782
August	2.81	1.72	3.78	2.19	4.12	5.90	.08	8.94	2.04	1.72	3333
September	.74	1.75	1.53	3.84	2.43	2.52	.98	1.85	2.02	3.19	2085
October	2.90	1.63	1.88	1.66	2.90	1.09	.60	2.45	4.37	1.36	2084
November	2.11	.52	2.02	3.06	.44	3.77	2.11	1.40	2.67	3.85	2195
December	.38	1.31	1.11	1.56	1.96	1.87	1.43	1.24	1.49	2.28	1166
TOTALS	19.91	15.97	19.86	21.49	25.25	23.33	21.64	28.26	19.01	22.34	22006

The altitude is 76.49 ft. ride later x 4.2

Disputed M.T.M. Haltwhistle 11.1.47. Solving.

10

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	Parish Church.	Distance from gauge

Station No. 3601

RAINFALL at Berwick-on-Tweed (Ramparts) M.W.R. (72) 51

County of Northumberland

Observer Borough Surveyor

River Basin Tweed - 6

Type of Gauge.

Annual Average 23.14 in. based on 46 years obs. un-weighted. Period of average 1881-1915
 23.29 " " 33 " 1924-1956 Ref. S.A.W.S.
 1916-1950 P
 File No.

Diameter ...	5"	924	257									
Height ...	1' 0"			1								
Altitude ...	76'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	2.78	1.42	1.33	1.61	1.67	2.63	2.45	1.83	1.47	3.29	20.48	
February	1.80	.73	.80	1.49	2.11	1.81	2.60	1.86	.23	2.11	15.54	
March	2.69	1.24	.10	1.03	1.10	.89	1.86	3.41	.52	1.08	13.92	
April	2.26	2.10	1.65	.69	.84	.70	.57	1.55	2.05	0.52	12.93	
May	2.45	2.05	2.58	2.89	1.40	.46	1.19	1.89	.33	2.09	17.03	
June	1.07	2.03	1.50	2.23	1.65	1.66	.98	2.49	1.41	1.15	16.17	
July	2.16	1.15	2.97	1.97	1.47	3.11	3.17	3.47	1.71	4.22	25.40	
August	2.99	2.96	2.15	4.42	.50	6.46	3.51	4.38	.45	3.52	31.34	
September	.58	2.27	1.82	1.46	.99	3.02	2.19	2.25	.58	2.33	18.49	
October	.46	2.17	1.09	3.61	2.16	1.12	1.62	1.34	1.89	3.99	19.45	
November	5.48	3.49	1.74	2.37	1.19	.77	.81	.69	2.89	2.31	21.74	
December	1.02	3.36	1.38	1.48	2.89	1.90	2.29	3.13	3.70	1.78	22.93	
TOTALS ...	25.74	24.97	19.11	25.95	17.97	24.53	23.24	28.29	17.23	28.39	235.42	10

Map N° 1/50K 22.5.52. Initially satisfactory except that gauge is in a hollow out of Baseline. No comment on this in 1957 report.

Map N° 1/50K 1.10.57. Gauge N° 7206 Measured N° 2901 in good condition. Inspector had thought gauge is inaccurate but upon examination of records from neighbouring stations it was considered that gauge is not appreciably over-expired.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NU(46)002528

Date.	Lat. N.	Long.	Railway Station.	Distance 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
		Camp 1923 ✓		✓	
		✓ but - 24, 26 ✓		✓	