

METEOROLOGICAL OFFICE.
RAINFALL

Station South Shields, Bents Park

No. 42-020181

County DURHAM

(Old No. 3557)

Authority Dr. M. Mathieson, J. Yocum

Grid Ref. NZ (45) 374672

Dr. W. Campbell Lyons (1919)

Altitude 11m 36 ft.

River Basin COASTAL

File _____ TF _____ | MWR | m | a Tributary TYNE & WEAR

YEAR	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means
January ...						2.19	.75	2.46	2.06	2.85	
February...						2.77	1.93	.67	1.06	2.03	
March ...						2.20	2.50	2.75	.94	3.43	
April ...						.54	1.32	2.90	1.06	1.66	
May ...						1.70	1.83	2.16	1.72	.76	
June ...					#	.40	1.86	.96	.56	.99	
July ...					3.61	2.43	2.93	2.32	3.32	1.39	
August ...					1.79	1.76	2.62	6.41	.90	2.23	
September					1.68	1.93	1.32	1.71	4.75	.81	
October ...					1.47	1.83	2.45	2.82	2.11	5.88	
November					2.59	1.84	2.85	1.05	.81	4.69	
December					2.70	5.66	3.39	1.78	3.01	3.49	
TOTAL, ...					inc.	25.25	25.75	27.99	22.20	30.21	
Percentage											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 _____ in.

1916-1950 _____ in.

_____ in.

Type and capacity of gauge _____

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

Gauge moved July 1st 1914 from South Shields, North Marine Park

Earliest year with complete data (D : W : M) _____

*NOTES on years with incomplete or unsatisfactory data:-

*Each note to be dated. Continue notes overleaf if necessary.

Belfast 3/63:500:KW

RAINFALL at South Shields Bents ParkCounty of DurhamObserver D. W. Campbell LyonsRiver Basin Tyne-Lower 3(1923) D. W. Nicoll assist M.O.H.Snowdon Rain Gauge, by CasellaD. W. Campbell Lyons M.O.H.

Diameter ...	5										
Height	1.0										
Altitude ...	36										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	2.63	3.71	(2.34)	1.08	1.97	1.58	2.10	1.23	2.58	2.69	3.12
February ...	1.03	.11	2.00	3.32	1.27	2.77	2.26	.79	1.17	.93	1.11
March	2.54	.61	1.22	1.68	1.01	1.77	1.04	1.37	2.22	.48	1.90
April	2.86	.94	1.38	1.67	1.30	2.33	.69	1.82	1.18	1.39	1.82
May	2.97	1.21	1.10	1.94	6.76	2.31	1.93	1.71	1.29	.86	1.25
June .....	.60	.62	1.75	.91	2.07	.24	3.46	4.48	3.98	1.85	1.48
July	3.30	1.54	4.24	1.91	4.29	1.94	4.17	4.26	1.86	2.54	3.88
August	2.09	5.19	2.12	3.70	2.65	3.01	1.94	5.66	2.62	3.46	3.73
September...	1.25	.50	3.49	1.32	2.55	3.25	2.09	3.57	0.98	1.15	2.77
October	1.81	1.91	1.35	1.75	3.48	1.51	2.45	1.85	2.57	2.44	1.94
November...	.97	2.34	.69	3.85	1.24	2.37	3.68	3.41	2.20	3.04	3.75
December...	2.98	1.43	3.43	2.55	2.05	3.90	.65	4.44	1.44	3.37	2.78
TOTALS...	25.03	20.41	25.11	25.68	30.64	27.23	26.46	34.64	24.09	24.20	27.23
	D	D	D	D	D	D	D	D	D	D	D

1920 Stevenson screen 5 ft high 13 ft N

1926 Inspected 24th March In garden facing new promenade running along coast
ground level, grass covered, surrounding level except about 1 mile N.C.
when it rises to the town. For exposure diagram see over.

1927 Bushes 15' high, 87' N; and 10' high, 20' S, + 20' E

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 1'	1° 25'	S. Shields	1330 4000 ft	NW	St. Aidan's	2570 ft	NW

RAINFALL at South Shields (Bent's Park)County of DurhamObserver Dr. W. Campbell Lyons
(was Medical Officer of Health)River Basin Type-Lower-3.Type of Gauge SnowdonAnnual Average 24.2 in. based on 20 years obs. un-weighted. Period of average 1881-1915. Ref. S.

667594/26

Diameter	5.											
Height	1.0.											
Altitude	36.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.27	.65	1.67	1.69	3.07	4.06	3.17	2.66	3.49	2.21		24.94
February	1.92	1.20	2.88	.67	2.51	2.62	3.25	1.19	.88	2.06		19.18
March	1.52	2.69	1.06	3.06	.77	2.27	3.54	.29	2.35	2.24		19.82
April	3.23	1.50	1.08	4.42	2.55	1.27	2.44	.20	.64	1.20		18.63
May	2.67	4.13	1.15	1.19	1.12	1.90	2.97	3.19	1.51	1.15		20.98
June	2.92	.91	1.95	1.90	2.35	2.70	2.52	2.61	1.71	.74		20.31
July	5.36	2.66	1.77	2.36	.46	2.69	3.42	2.84	2.84	6.86		31.26
August	5.18	2.40	1.46	3.28	1.78	2.57	1.47	1.94	2.64	1.15		24.87
September	2.95	1.88	1.92	1.35	3.81	3.08	1.49	1.73	1.56	1.87		21.64
October	1.61	2.76	3.79	3.88	3.86	1.81	2.15	3.28	5.80	2.98		32.92
November	3.11	1.26	5.07	3.16	3.35	3.41	1.76	2.40	2.67	3.49		29.68
December	1.56	.60	1.74	4.24	2.26	1.85	5.40	4.45	1.35	2.48		25.63
TOTALS	34.30	23.64	25.54	31.20	27.89	31.03	33.58	26.78	27.44	28.46		289.86

1931. Bushes 15' high 8' N. Stevenson screen 5' high 11' N. Bushes 10' high 20'S.
Bushes 10' high 20'E.

Inspected 24.3.26. Site satisfactory & gage are taken. *Personnel 2 photo taken records*
25/3/23

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
1931.			S. Shields.	1330 yds.	N. W.	St. Aidan's	860 yds.	N. W.

Station No. 3557

RAINFALL at South Shields (Bent's Park)

41

County of Durham

Observer Dr. W. Campbell Lyons.

River Basin Tyne Lower-3

Type of Gauge Sounding

Annual Average 24.2 in. based on 20 years obs. unweighted. Period of average 1881-1915 Ref 5

File No. 667594/26

Diameter	5"		020	181								
Height	1'0"			1								
Altitude	36'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.70	4.63	3.15	.65	4.22	1.47	1.70	7.98	.99	1.79	30.28	
February	6.48	4.00	1.77	1.31	1.29	.66	3.23	1.61	.64	3.12	24.71	
March	2.85	1.48	.67	.85	.27	1.38	4.18	.65	1.25	.64	14.22	
April	1.17	1.38	.77	2.38	1.40	1.61	2.48	1.51	1.72	1.74	16.16	
May	1.66	2.03	2.37	1.67	2.98	1.66	2.50	1.65	.70	1.49	18.71	
June	0.57	2.96	1.72	1.77	1.72	1.71	1.96	2.89	1.06	1.27	17.63	
July	1.94	2.87	2.08	3.32	1.97	3.25	3.39	1.83	1.59	3.65	25.89	
August	3.69	2.32	3.82	1.87	4.21	3.24	.15	5.43	1.60	5.22	31.55	
September	0.88	3.17	3.30	6.03	1.96	3.37	1.69	2.55	.40	2.89	26.30	
October	4.76	3.11	2.40	2.16	2.99	.86	.51	1.72	2.50	.89	21.90	
November	9.72	1.50	3.00	4.78	1.00	3.80	2.60	1.67	2.27	5.01	29.25	
December	0.59	2.85	1.02	1.25	1.69	2.87	2.14	2.22	2.19	3.29	20.11	
TOTALS	32.01	32.30	26.77	28.70	25.70	25.88	26.53	31.64	16.91	31.00	276.71	10
	D	D	D	D	D	D	D	D	D	D	D	

1941:- Buckle 15' high 87° N. Stevenson Screen 5' high 11° N. Buckle 10' high 20° S. Buckle 10' high 20° E.
 Read exposure in 1941 & 1942

1942. mp. high.

1945. mp. 9.45" of wet S. Suen in glass out. 30" of wind 9 in. rain. 6' high. Hedges 20/25' to NE & SE.
 at 45'. Antenna impossible, careful observed.

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.
1941			South Shields	1330 yds	N.W.	St. Aidan's	860 yds	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3557RAINFALL at South Shields (Bents Park)

51

County of DurhamObserver Dr. W. Campbell LyonsRiver Basin Tyne-Lower-3Medical Officer of Health (1952)
(Dr. I.O. Lister)Type of Gauge SnowdonAnnual Average 24.2 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. 5" " 26.57 " " 12 " " with 1944-56 " " 1916-50 66/594/261

File No.

Diameter ...	5"		020	181								
Height ...	1'6"			1								
Altitude ...	36'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	1.60	2.12	1.09	2.73	1.98	4.07	1.54	1.66	2.50	6.93	24.22	
February ...	2.13	.75	1.56	1.98	2.24	1.75	1.96	3.86	.51	1.98	18.72	
March ...	3.50	1.34	.02	1.05	1.87	.69	1.16	3.45	.66	1.55	15.29	
April ...	1.46	1.54	2.11	.38	.89	1.10	.46	1.90	1.54	.76	12.12	
May ...	3.30	2.01	2.18	2.91	1.45	.47	1.60	2.73	.49	2.06	19.20	
June ...	1.82	2.32	1.69	2.31	2.48	2.61	1.99	2.18	2.51	.53	20.45	
July ...	1.28	.84	2.60	1.73	.88	2.77	2.78	3.09	1.96	3.30	21.23	
August ...	4.32	1.69	4.22	4.78	.99	6.54	3.51	3.42	.80	3.50	33.77	
September ...	.84	3.25	.99	2.33	.99	2.28	3.79	1.97	.74	1.95	19.13	
October ...	1.05	1.93	1.19	4.02	1.95	2.03	1.74	1.04	1.45	5.50	21.90	
November ...	5.37	3.51	1.02	3.44	1.39	.96	1.02	.84	3.04	2.43	23.02	
December ...	2.26	3.19	.84	1.62	3.13	2.33	1.60	3.19	3.17	1.89	23.22	
TOTALS ...	28.94	24.49	19.51	29.28	20.24	27.60	23.15	29.33	19.37	30.36	252.27	10
	D	D	D	D	D	D	D	D	D	D		

1952 Stevenson Screen 5°10' N. Buoys 10', 10', 15' @ 20'S, 20'E, 87'N.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 45/372472

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1952			S. Shields	1330 ^x NW	St. Aidan's	860 ^x NW

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1952	✓	✓	✓	✓ np 41-43	
	✓ but -10-11	✓	✓ but -31-32	✓	