

Rainfall at Plymouth

60

P. J. Mepsent. Esq.

Diameter of Gauge, ... 5... in.

Height above Ground, .2. ft. 6.. in.

H.W

Above-Mean Sea Level, .5.2.. ft. /bin.

360

10.67 - 69

61.84 ft. /bin

YEAR - -				1864	1865	1866	1867	1868	1869	MEANS.
January - -				"	1.44	1.19	.86	3.81	1.65	1.82
February - -					1.92	1.28	1.26	.90	1.05	1.49
Murch - - -					2.96	1.48	3.26	1.90	1.08	1.40
April - - -					1.89	1.43	1.22	1.60	2.20	1.76
May - - -					2.44	2.50	1.15	2.23	.88	2.31
June - - -					2.12	.08	1.48	1.52	.38	1.03
July - - -					.70	2.03	1.03	2.06	.42	.91
August - -					1.04	2.51	5.47	1.94	1.80	1.12
September -					1.41	.70	3.14	1.84	3.89	2.65
October - -					3.66	6.14	1.33	1.23	2.12	2.85
November -					.40	1.96	2.09	2.03	2.16	2.55
December -					2.96	2.01	1.37	2.36	3.42	2.79
TOTALS -					22.94	23.47	23.68	24.22	21.05	22.68

C C C C C C

Type Pic 100
70

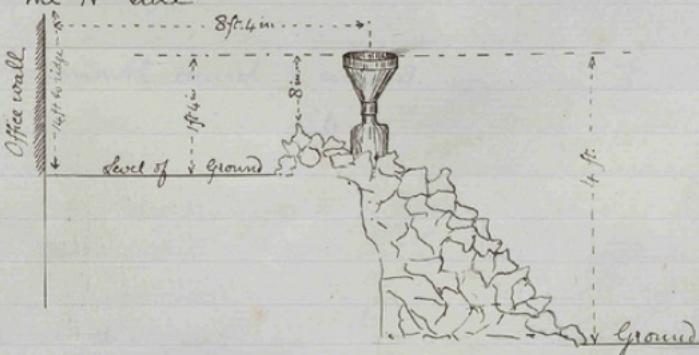
RAINFALL AT N. SHIELDS TYNEMOUTH

Lat..... Lon..... County of Northumberland
Rain Gauge, by..... Observer P. J. Maynard Esq.

Diameter5										
Height	1.2										
Altitude	62. 65. ^T										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.29	.66	2.37	.74	1.28	2.20	.57	2.93	2.82	.85	1.571
February.....	1.89	1.85	1.97	1.45	.71	.99	2.20	1.73	.82	2.75	1.636
March.....	1.08	.54	2.78	1.80	.89	.44	1.66	2.47	1.10	.64	1.340
April.....	.75	3.32	1.68	1.00	.58	.61	2.83	3.82	1.73	2.20	1.852
May.....	1.14	1.19	1.79	2.79	2.16	.90	.92	2.06	2.22	1.95	1.712
June.....	2.59	2.92	2.43	1.29	.88	1.75	1.79	1.25	1.82	3.76	2.043
July.....	.43	3.49	2.64	2.40	1.68	5.04	2.33	2.82	.59	3.77	2.519
August.....	1.82	.94	3.36	2.82	1.63	3.15	1.13	5.97	4.08	3.19	2.809
September.....	.75	4.74	4.36	1.70	1.50	2.54	2.73	1.79	1.61	.72	2.244
October.....	3.28	1.83	5.45	2.11	1.32	2.78	1.61	2.33	1.49	.58	2.278
November.....	3.30	1.68	3.66	.99	3.23	5.09	2.61	1.26	6.69	3.38	3.189
December.....	5.01	1.66	4.06	.21	3.74	1.23	6.07	1.98	4.04	1.01	2.401
TOTALS.....	23.33	24.82	36.55	19.90	19.55	26.72	26.45	30.41	29.01	24.80	26.094

C C C

1875 Gauge partially sheltered by buildings on the N side



Holy Saviour church Tynemouth 847 ft N.W. by N.

RAINFALL AT North Shields, Tynemouth

80

Lat.

Lon.

County of Northumberland

Rain Gauge, by

Observer P. J. Messent, Esq., C.E.

Tyne - Lower 3

Diameter	5										
Height	2.8							1.8			
Altitude	657										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	29	1.26	48	1.40	2.55	1.34	2.60	1.52	1.48	1.10	1.422
February	1.27	3.24	.50	1.41	.91	.78	1.28	.31	.95	.92	1.157
March	1.58	3.15	1.04	1.66	2.05	1.93	1.68	1.75	3.83	2.37	2.104
April	1.88	1.07	2.75	1.17	2.09	1.39	1.46	.75	1.32	2.22	1.610
May	1.31	1.63	2.33	1.51	.52	2.39	2.38	1.43	.37	1.74	1.561
June99	1.65	3.67	2.42	1.31	1.50	1.17	.31	1.82	.33	1.517
July	4.74	3.18	3.51	4.06	2.53	1.40	3.92	.91	4.69	2.82	3.176
August	1.10	4.41	4.05	2.25	.79	3.18	1.85	2.35	2.01	3.91	2.590
September....	3.56	4.35	1.45	2.90	1.39	2.34	1.76	4.87	1.29	1.21	2.512
October.....	3.86	2.58	2.67	1.61	1.48	3.89	3.14	2.97	.72	4.33	2.665
November....	1.90	1.01	2.50	.93	1.58	1.74	2.63	2.37	3.23	.92	1.881
December....	3.36	1.59	3.05	2.49	1.47	.78	3.04	2.85	.70	1.31	2.065
TOTALS	25.84	29.12	28.01	23.71	18.67	22.86	26.91	22.39	22.41	23.18	24.260

1880. St. Laviour's

833 yards

N.W. x N.

Gable end of Office 12ft 8in to ridge 8ft 4in NW.

RAINFALL AT North Shields Tynemouth

Lat.

Long.

County of Northumberland

Rain Gauge, by

Observer P. J. Messent Esq C.E.
Walker Esq C.E.

Type 3.

Diameter	5											
Height	1 8											
Altitude	65 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.68	.95	1.27	1.62	1.10	3.50	1.08	1.75	.80	2.35	1.610)
February	1.19	.06	1.80	2.69	2.28	.78	.67	1.19	.65	.69	1.200	
March	1.73	2.91	1.19	.56	.65	2.05	1.62	2.35	1.23	1.94	1.629	
April66	1.28	1.07	.35	.61	1.42	.57	1.32	2.31	2.51	1.210	
May	1.94	1.30	2.32	1.33	2.28	.73	.86	1.12	2.13	3.43	1.944	
June	3.14	.39	2.41	1.13	2.86	1.84	1.65	2.31	1.88	1.94	1.955	
July	1.56	3.40	1.37	2.51	2.19	4.78	2.63	1.31	.89	2.21	2.285	
August	4.60	3.83	3.10	2.13	3.04	3.48	2.03	2.48	2.27	1.13	2.799	
September	1.64	1.89	2.72	1.77	.53	.56	2.34	2.64	.15	2.42	1.666	
October	2.23	1.37	3.34	.91	3.72	4.73	5.02	1.18	3.60	1.26	2.736	
November	2.99	2.12	1.56	2.14	.37	1.47	1.17	1.54	3.13	1.15	1.764	
December	1.18	2.91	1.20	1.20	1.12	1.68	3.91	1.75	.91	3.45	1.931	
TOTALS	24.44	22.41	23.35	18.34	20.75	27.02	23.55	20.94	19.95	24.48	22.523	

1890 ft Pavious 833 yards NW 6 W 1870
 Gate of Office 12 ft 8 in high 8 ft 4 in NW.

RAINFALL AT North Shields Tynemouth Tyne River Banks

Lat. Lon. County of Northumberland

Rain Gauge, by

Observer J Walker Esq CL.

Tyne, lower - 3.

Diameter ..	5										
Height	1.8										
Altitude ..	65 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.17	1.49	.88	2.63	1.79	.28	2.42	.49	1.32	.68	1.510
February ..	4.43	1.95	1.72	.84	2.22	.76	1.05	1.21	1.39	1.38	1.695
March	1.86	1.86	.72	1.06	.94	1.55	1.06	.80	2.41	4.96	1.722
April.....	1.33	.88	1.38	1.93	1.42	2.35	.61	1.73	2.69	2.73	1.705
May	1.07	2.39	2.81	2.23	2.98	.55	6.34	5.35	1.78	1.81	2.726
June.....	3.80	1.31	2.40	2.79	2.04	.65	1.63	2.29	.90	2.33	2.014
July	2.07	2.23	2.21	5.03	1.02	1.58	.88	1.56	2.84	2.45	2.187
August	6.52	2.35	1.90	1.81	2.89	2.65	3.30	2.84	1.81	3.32	2.889
September..	.80	1.22	.75	2.87	.90	1.68	.44	.87	1.69	1.90	1.312
October....	7.15	3.20	2.03	7.72	.82	4.20	4.97	4.36	1.26	3.07	3.878
November ..	2.58	5.73	1.13	2.81	2.89	4.29	2.61	1.49	1.24	1.00	2.577
December ..	1.97	4.94	2.87	1.77	2.01	.14	2.64	3.12	1.42	3.90	2.178
TOTALS ..	36.75	29.55	20.80	33.49	21.87	20.63	27.95	26.11	20.25	29.53	26.603 <small>454</small>

D D D D D D D

Holy Savouri church 833 yards NW by W
Officifth 12' 8" high 8' 4" N W
Tynemouth Station 600 yards W

Hull

RAINFALL at Tynemouth Tyne Pier Works

County of Northumberland

Observer W.G. Gedge Esq C.E.

River Basin Tyne, Lower 3

per Am. Lothian (1916)
G.F. Handmarsh Esq (1916)

Rain Gauge, by

Diameter ...	5										
Height	1.8										
Altitude ...	65 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1910-1919
January ...	3.03	1.65	2.43	4.17	1.91	2.43	1.92	3.27	2.79	2.75	9.73
February ...	2.15	.93	2.32	.66	.82	2.49	2.46	.98	1.23	2.02	6.69
March61	2.10	2.29	2.17	2.57	2.62	3.10	2.35	.97	1.92	8.34
April	1.83	1.66	.18	2.55	.68	.69	1.51	3.18	1.42	1.23	7.34
May	2.76	1.28	3.10	2.94	1.46	2.19	2.48	2.13	2.36	.89	7.86
June	1.30	5.10	5.41	1.49	3.51	.48	2.86	1.10	.73	.53	5.02
July	2.20	.80	4.45	.62	4.03	2.44	3.41	1.19	3.85	1.56	9.81
August	2.80	2.84	4.99	1.02	2.12	2.40	2.71	6.46	1.13	2.15	12.45
September ..	.97	3.75	1.99	4.20	2.07	1.91	1.56	1.40	5.23	1.92	9.11
October ...	3.48	2.12	3.90	2.05	1.51	1.86	2.45	2.84	2.36	4.63	12.58
November ...	3.63	4.59	1.77	1.81	3.22	2.23	3.32	1.36	.89	3.45	9.02
December ...	2.11	2.91	1.38	1.32	3.39	6.12	3.96	2.44	3.13	2.91	12.44
TOTALS ...	26.87	29.73	34.21	25.00	27.29	27.86	31.04	28.70	26.09	24.56	110.39

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	56° 0'	1.25°	Tynemouth	375yds	WNW	St. Saviour's	833 yds	NW by W

RAINFALL at Yarmouth Tyne Pier Works (NORTH)County of NorthumberlandObserver R. F. Hindmarsh Esq. C.E.
(F. Calverd, C.E.)River Basin Tyne Lower 3

M.O. Rain Gauge, by _____

Diameter ...	5"									5"		
Height	1' 8"									1' 0"		
Altitude ...	65'									54' 14'		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	TOTALS
January ...	2.58	4.41	1.99	1.55	1.64	1.31	1.99	1.31	2.29	2.43	2.71	24.21
February79	.16	2.07	3.90	1.17	2.61	2.12	.88	.87	.71	1.02	16.30
March	2.91	.69	1.70	1.98	.83	1.74	.88	1.18	1.62	.52	1.72	15.77
April.....	3.88	.99	1.67	2.35	1.29	2.19	.95	1.63	1.96	1.07	1.84	18.52
May	3.99	1.56	1.29	3.02	6.35	2.15	1.71	1.56	1.08	.52	1.08	24.31
June80	.70	1.64	1.29	2.14	.12	2.99	3.99	3.26	1.41	1.26	19.59
July	4.13	1.85	5.20	2.68	4.25	1.93	5.46	3.93	1.65	2.49	3.79	37.16
August	2.34	6.17	3.79	5.18	2.80	2.67	1.92	4.50	3.20	2.63	3.48	38.68
September...	1.39	.91	4.70	1.39	2.44	2.92	2.05	3.39	1.01	.87	2.60	23.67
October.....	2.20	2.32	1.78	1.75	3.42	1.45	2.25	1.83	2.31	2.09	1.91	23.31
November...	1.21	2.46	.88	3.89	1.21	2.29	3.41	3.42	2.24	2.72	3.27	27.00
December...	3.42	1.75	4.13	2.12	1.88	3.66	.66	3.65	1.29	3.00	2.46	28.02
TOTALS...	29.64	23.97	30.24	31.10	29.42	25.04	26.39	31.27	21.58	20.46	26.83	296.54

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1921 1911	56° 0'	1° 26'	Yarmouth	600 375 yds	NNW WNNW	St. Saviour's	333 yds	NW by W

RAINFALL at Tynemouth (Tyne Pier Works)

County of Northumberland

Observer R. F. Hindmarsh, Esq., C.E.

River Basin Tyne-bower 3

Tyne Improvement Commission (1940)

Type of Gauge M.O.

Annual Average 25.1 in. based on 35 years obs. un-weighted. Period of average 1881-1945 Ref. S

S/3307/27

Diameter	S.											1935-45 Means Totals
Height	1.0.											
Altitude	54.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.07	.60	1.57	1.46	2.47	3.16	1.94	1.91	3.30	1.49	19.87	
February	1.06	.90	2.34	1.58	2.00	2.24	2.65	.77	.78	1.46	14.78	
March	1.11	2.51	1.01	2.39	.69	1.69	3.05	.20	1.84	1.96	16.45	
April	2.70	1.19	1.05	3.81	2.43	.87	2.47	.14	.61	0.98	16.25	
May	2.36	3.76	1.17	1.06	1.01	1.57	3.19	2.99	1.04	1.13	19.28	
June	2.62	.87	2.17	1.76	2.51	2.56	2.24	2.52	1.71	0.75	19.71	
July	4.55	2.43	1.94	2.31	.44	3.16	3.35	2.48	2.50	6.33	29.49	
August	3.97	2.34	1.42	3.05	1.65	2.95	1.30	1.82	2.44	6.84	21.78	
September	2.86	2.00	1.77	1.25	3.45	3.31	1.17	1.67	1.56	1.46	20.50	
October	1.18	3.32	3.63	3.53	3.65	1.39	1.76	3.11	4.99	2.61	29.19	
November	2.19	.81	4.03	2.48	2.99	2.61	1.33	1.87	2.51	3.05	23.87	
December	1.30	.52	1.33	3.27	2.02	1.16	5.18	2.93	1.52	2.47	21.70	
TOTALS	27.97	21.17	23.43	26.95	25.31	26.67	29.63	22.41	24.80	24.53	252.87	
	d	d	D	D	D	D	D	D	D	d		

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
1931.			Tynemouth L.N.E.R.	600yds.	W.N.W.	St. Saviour's	883yds. N.W.W.

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

Station No. 3567

41

RAINFALL at Tynemouth (Tyne Pier Works)

County of Northumberland Observer Tyne Improvement Commission

River Basin Tyne - Lower - 3

Type of Gauge M.O. Snowdon 1950

Annual Average 25.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 813307/27

Diameter	5"	019	839								
Height	1' 0"			1							
Altitude	54'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.95	3.48	2.69	4.48	3.93	1.10	1.46	7.26	1.64	1.77	25.76
February	5.85	1.29	.52	1.80	1.36	.49	2.04	1.31	.52	3.12	18.30
March	2.17	.84	.58	.53	.25	1.21	3.89	.47	1.04	.73	11.71
April	.62	.66	.66	2.13	1.63	1.95	2.40	1.24	1.38	1.62	13.69
May	1.32	1.00	2.10	1.62	3.09	1.49	2.24	1.43	.67	1.48	16.44
June	.54	1.04	1.79	1.60	1.66	1.92	1.90	2.57	.93	1.37	15.12
July	1.20	2.59	1.75	3.72	2.02	3.25	3.57	1.78	1.48	3.57	24.93
August	2.59	2.27	3.84	1.83	4.28	3.33	.12	5.36	1.56	5.20	30.38
September	.57	2.74	3.25	6.41	1.93	3.29	1.56	2.40	.39	2.90	25.44
October	3.92	2.25	2.14	2.03	2.93	.91	.37	1.73	2.24	.96	19.48
November	2.54	.71	2.69	4.71	1.00	3.21	2.40	1.28	2.19	4.80	25.53
December	.26	1.96	1.11	1.41	1.34	3.26	2.00	1.56	2.13	3.83	18.86
TOTALS	24.53	20.83	23.12	28.27	25.42	24.81	23.95	28.19	15.17	31.35	245.64

1941 Feb 19th corrected for snow.

1946 Stone house 10° 12' N. House 17° 6' E. 63'S.

214.27

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
1941			Tynemouth	600 yds	W.N.W	Holy Name	863 yds N.W by E

BRITISH RAINFALL ORGANIZATION

Station No. 3567

51

RAINFALL at Tynemouth (Tyne Pier Marks)County of NorthumberlandObserver Tyne Improvement CommissionRiver Basin Tyne Lower - 3Type of Gauge Snowdon

Annual Average 25.81 in. based on 35 years obs. re-weighted. Period of average 1881-1915 Ref. 5
 25.87 " " " 1916-1950 File No. 813307/27 P

Diameter ...	5"	019	839									
Height ...	1' 0"			1								
Altitude ...	54'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	1.59	2.12	1.13	2.83	2.11	3.48	1.45	1.59	2.43	4.79	23.82	
February	1.85	.70	1.48	1.97	1.98	1.86	1.78	3.32	.45	1.97	17.36	
March	3.47	1.30	.03	.98	1.98	.56	1.12	2.86	.55	1.50	14.35	
April	1.66	1.52	2.01	.35	.93	1.10	.55	1.93	1.43	0.62	12.10	
May	3.17	2.00	2.43	2.65	1.35	1.63	1.59	2.52	.35	2.00	18.49	
June	1.79	2.32	2.07	2.03	2.43	2.34	2.07	1.78	2.14	0.47	19.44	
July	1.38	.74	2.50	1.45	.82	2.72	2.73	2.89	1.91	3.22	20.36	
August	4.52	2.03	4.75	5.00	.94	6.33	3.68	3.42	.75	3.62	35.04	
September	1.01	3.21	1.10	2.48	.92	2.18	3.75	1.70	.65	1.94	18.94	
October	1.07	2.15	1.25	3.84	1.96	1.79	1.74	1.01	1.42	5.34	21.57	
November	4.87	3.68	1.09	2.97	1.32	1.02	.93	.84	2.57	2.40	21.69	
December	2.17	3.07	.89	1.53	2.89	2.04	1.42	3.10	2.78	1.81	21.70	
TOTALS ...	28.55	24.84	20.73	28.08	19.63	26.15	22.81	26.96	17.43	29.68	244.86	10
	D	D	D	d	D	D	D	D	D	D		

In 17.1.57. No Mowers. Br. badly damaged prior to inspection. To be replaced. Railings open to N. Grass should be kept short for 4' round g. and beyond that should be kept at 6"-9".

371627

Position of Station on Ordnance One-Inch map :			No. of Map	National Grid Reference NZ(45)373677			
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Tynemouth	600 yd	NNW	Holy Saviour	820 yd NW 050

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d	C 1870	1910-19	1920-30	1931-40	1941-50	1951-60
		(3)	(2)	(1)	(2)	(1)
		V	V	V	V	V
		V low - 14	V	V but d. 31, 40	V but d. 48-50	