

RAINFALL at Tynemouth Coalfield Station

County of Northumberland

Observer Meteorological Office

River Basin Tyne Lower 3

Rain Gauge, by

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											
Altitude ...					72						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...					2.26	.79	2.32	2.13	2.63		
February ...					2.58	2.28	.74	.87	1.84		5.73
March					1.82	2.65	1.81	.70	1.62		6.78
April53	1.21	2.21	1.10	1.20		5.72
May					1.69	1.92	1.73	1.97	.69		6.29
June35	2.29	.87	.59	.69		4.44
July					3.94	2.14	3.08	1.03	3.39		8.46
August					2.05	2.03	2.18	5.43	.95		10.37
September ..					1.87	1.48	1.24	1.22	4.53		7.93
October ...					1.36	1.57	2.30	2.40	1.97		10.83
November ..					2.40	1.90	2.89	1.07	.74		8.42
December...					2.90	5.24	3.34	1.85	2.87		10.89
TOTALS ...					23.59	26.20	22.68	21.81	23.06		93.75

Total 15
16-17

7.87

5.73

6.78

5.72

6.29

4.44

4.44

8.46

10.37

7.93

10.83

8.42

10.89

93.75

16

N.B. annual values rejected from Survey Dept. 1929.

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

RAINFALL at Tynemouth Coastguard Station (Old Gauge)

County of Northumberland Observer Meteorological Office

River Basin Tyne - Lower 3

Rain Gauge, by _____

Diameter ...	8										
Height	1	0									
Altitude ...	118			68 #			67				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.46	3.54	2.22	1.24	1.67	1.67	1.81				
February ...	1.73	1.18	2.09	3.12	1.46	2.55	2.10				
March	2.55	1.71	1.41	1.53	1.85	1.66	1.94				
April	2.79	1.93	1.41	1.83	1.24	2.28	1.96				
May	3.18	1.42	1.05	1.98	5.94	2.50	1.87				
June	1.68	1.64	1.32	1.88	2.83	1.13	3.10				
July	3.23	1.46	4.25	2.09	3.97	2.06	5.30				
August	2.22	5.16	2.31	3.76	2.70	2.95	1.82				
September...	1.28	1.88	3.82	1.28	2.54	2.94	2.11				
October	1.91	1.80	1.22	1.52	3.26	1.55	2.10				
November...	1.14	2.29	73	3.50	1.13	2.11	3.37				
December ...	3.15	1.52	3.39	1.93	1.97	3.77	1.69				
TOTALS...	25.92	20.83	25.22	24.66	29.26	25.96	26.17	#	see next sheet		
	3	3	3	3	3	3	3				

Rain gauge moved 28.9.22 & height of site now 67 ft. (f. 565043/25)

N.B. annual values rejected from Survey Map. 1929.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1920	55° 1'	1° 26'				

RAINFALL at Tynemouth Coast Station (New Gauge)
County of Northumberland Observer Meteorological Office
River Basin Tyne - Lower 3

Rain Gauge, by _____

Diameter							8			
Height							10			
Altitude							67			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
										MEANS.
January ...							2.01	1.42	2.71	2.96
February ...							2.30	.80	1.22	1.20
March							1.00	1.39	2.11	.48
April.....							.97	1.77	1.28	1.39
May							2.00	1.69	1.37	.60
June							3.21	3.94	3.81	1.58
July							5.50	4.19	1.65	2.52
August							2.03	4.85	3.35	3.04
September...							2.15	3.55	1.15	.98
October.....							2.46	2.00	2.71	2.34
November...							3.72	3.68	2.42	2.94
December... See previous sheet.							.72	4.66	1.39	2.76
TOTALS...							28.07	33.94	25.17	22.79
							D	D	D	D
										29.15

N.B. Annual values 1926 rejected from Survey Map. 1929

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

RAINFALL at Tynemouth (C. G. Stn.) *Carry 1922* M.W.R.

County of Northumberland.

Observer The Meteorological Office,
The Chief Office (M.O.)

River Basin Tyne - Lower - 3.

Type of Gauge.

Annual Average 24.1 in. based on 23 years obs. semi-weighted. Period of average 1881-1915. Ref. S
Av. 24.47 seems appropriate to Castle site being used in Ref. until new average

Diameter	8.											
Height	1.0.											
Altitude	67.	108										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mosse- Totals	
January	2.28	.58	1.70	1.61	2.62	2.81	2.31	2.19	4.21	1.65	22.96	
February	1.36	1.12	2.21	.59	2.15	2.63	2.58	.84	.83	1.85	16.36	
March	1.42	2.83	1.06	2.65	.74	2.04	3.56	.22	2.32	2.27	19.11	
April	3.08	1.44	1.16	4.33	2.77	1.01	2.59	.23	.76	1.22	18.59	
May	2.59	4.17	1.18	1.08	1.15	1.75	3.33	3.28	1.09	1.14	20.76	
June	2.88	.94	2.07	1.88	2.46	2.90	2.12	2.74	1.80	.89	20.68	
July	4.73	2.48	2.15	2.43	.49	3.17	3.59	2.65	2.81	6.87	31.37	
August	4.35	2.48	1.57	2.96	1.69	2.83	1.38	1.28	2.44	1.28	22.81	
September	3.19	1.86	1.75	1.27	3.49	2.68	1.23	1.67	1.48	1.91	20.53	
October	1.28	3.46	3.81	3.72	4.19	1.44	2.05	3.53	5.66	3.02	32.16	
November	2.35	.86	4.41	2.83	3.20	2.78	1.51	1.95	2.81	3.69	26.39	
December	1.37	.67	1.48	3.44	2.05	1.27	5.34	3.28	1.70	2.84	23.34	
TOTALS	30.88	22.74	24.55	28.79	27.00	28.21	31.89	24.46	27.91	28.63	275.06	K.M.

Moved to new site at Tynemouth Castle 20/6/32 when height became 108 ft.

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

Station No. MWR 3568

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RAINFALL at Jyneemouth (C.G. stn)

County of Northumberland Observer The Chief Officer (M.O.)

River Basin Tyne Lower 3

Type of Gauge.

Annual Average 24.5 in. based on years obs. un-weighted. Period of average 1881-1915. Ref. S.

Average to be used until new average can File No.

Diameter	8	5' for one year 1889-1890			008	646					
Height	1' 0"						1				
Altitude	108'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.36	3.04	2.41	1.61	5.09	1.20	1.35	6.69	1.48	1.61	25.87
February	6.09	1.06	.59	1.76	1.50	1.44	2.48	1.25	1.46	3.12	18.75
March	2.47	.58	.71	.80	3.0	1.02	3.92	1.47	1.16	1.56	19.9
April	.69	.81	.65	2.44	1.56	1.35	2.27	1.20	1.40	1.70	14.67
May	1.48	1.12	2.62	1.75	3.07	1.41	2.06	1.48	1.71	1.42	17.12
June	.74	1.22	1.72	1.94	1.69	1.90	2.01	2.34	1.97	1.25	15.78
July	1.21	2.57	1.50	3.98	2.24	3.27	3.44	1.61	1.45	3.24	24.54
August	2.62	2.28	4.10	1.85	3.88	3.09	1.15	1.71	1.58	5.13	29.39
September	.72	2.63	3.03	6.08	1.81	3.06	1.49	2.47	1.07	2.74	25.10
October	3.61	2.27	2.10	2.02	2.86	.85	.31	1.65	2.41	1.00	19.08
November	2.98	.87	2.27	5.11	.87	3.34	2.28	1.43	2.38	4.70	26.23
December	.28	1.88	1.22	1.27	1.41	2.85	1.45	1.72	2.19	2.43	16.70
TOTALS	26.25	20.33	22.92	29.61	26.28	23.78	23.21	27.02	16.26	28.96	244.62

Map 28/10. Scale.

1950

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. 3568

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RAINFALL at Plymouth (b. g. Stn) M.M.R. (75)

County of Northumberland

Observer

Station Office for M.O.

River Basin: Plyne - Lower, 3Type of Gauge: N.O. 5521/61 m.s.w. 145 ftAnnual Average 24.5 in. based on years obs. un-weighted. Period of average 1581-1915 Ref. Survey
26.56 " 24 " 1933-1956 1916-1950 P

File No.

Diameter	5"									5"	
Height	5"									5"	
Altitude	108'									95'	
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.65	1.97	1.11	2.87	2.09	3.77	1.53	1.75	2.47	1.58	23.79
February	1.99	6.8	1.21	2.22	2.29	1.92	1.88	3.28	.47	1.98	17.92
March	3.64	1.41	.03	.87	2.05	.55	1.20	3.32	.60	1.32	14.99
April	1.56	1.63	2.17	.35	1.05	1.04	.50	1.99	1.46	0.65	12.43
May	3.20	2.00	2.50	2.71	1.33	.37	1.54	2.64	.45	1.91	18.65
June	1.75	2.33	1.69	2.07	2.34	2.18	1.99	2.06	2.31	0.63	19.35
July	1.27	.63	2.33	1.39	.77	2.85	2.71	2.89	1.86	3.30	20.00
August	4.35	2.10	5.09	4.62	.95	6.28	3.45	3.65	.78	3.52	34.79
September	.87	3.08	1.04	2.45	.84	2.23	3.52	2.04	.73	2.19	18.99
October	.90	1.88	1.15	4.02	1.95	1.76	1.65	.92	1.48	5.47	21.18
November	4.88	4.16	1.13	3.23	1.16	.92	1.08	.80	3.00	2.57	22.93
December	2.21	3.19	.80	1.76	3.15	2.06	1.61	3.16	3.22	1.68	22.84
TOTALS	28.27	25.06	20.25	19.45	28.56	19.97	25.96	22.66	28.50	19.83	29.80
	D	D	D	D	D	D	D	D	D	D	247.86

Lushoped Mar. 1957. Wall 5.6.57. No change in slopes surroundings since last reading (6/50)
 3' deep 3' from gauge & E. base levels to 5.6'. Tunnel over 4.75 x 5' 8"

1954 Map 2.6.54 R. Dorking. Presently new of gauge. Site satisfactory.
 1955 Map 2.6.55 R. Dorking. Presently new of gauge. Site satisfactory.

1955 Map 2.6.55 R. Dorking. Gauge site satisfactory. S. in tunnel 12 x 12' round 9' rising + Presently unsatisfactory gauge.

1955 Map 2.6.55 R. Dorking. Gauge site satisfactory. S. in tunnel 12 x 12' round 9' rising + Presently unsatisfactory gauge.

1956 Map 2.6.56 R. Rudling. Site 6.5'. Site 6.5'. 20.25' 100ft. alt. 30-120' SSW. 12-15' Shears 30-60' W.G.N.

1956 Map 2.6.56 R. Rudling. Site 6.5'. Site 6.5'. 20.25' 100ft. alt. 30-120' SSW. 12-15' Shears 30-60' W.G.N.

1956 Map 2.6.56 R. Rudling. Site 6.5'. Site 6.5'. 20.25' 100ft. alt. 30-120' SSW. 12-15' Shears 30-60' W.G.N.

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1956 Map 2.6.56 R. Rudling. Site 6.5'. Site 6.5'. 20.25' 100ft. alt. 30-120' SSW. 12-15' Shears 30-60' W.G.N.

374694

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 45 1374694

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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
		Cmp 1914	✓	✓	✓	
		Jbmt - 15-19	✓	✓	✓	