

RAINFALL AT Newcastle Leazes Park

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

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

County of Northumberland

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

Observer

The Boro EngineerW. J. Lawley C.E.Gauge 3

Diameter ....							5				
Height .....							10				
Altitude ....							250 ft				
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....							1.31	1.73	1.00	2.66	
February ....							.44	1.77	1.13	.89	
March .....							2.79	3.02	1.89	1.20	
April .....							.73	1.42	2.20	2.53	
May .....							.76	1.36	2.06	3.70	
June .....							2.24	2.54	2.25	1.43	
July .....							2.78	1.33	.82	2.55	
August .....							2.11	2.93	1.58	.87	
September....							2.41	2.91	.53	2.43	
October .....							5.78	1.31	4.87	2.23	
November ....							1.68	1.69	3.49	1.13	
December ....							4.78	2.25	1.33	3.35	
TOTALS ....							27.81	24.26	23.15	24.97	

St Andrews ch 730 yards SETrees 10 ft high 33 ft N.N.E.

RAINFALL AT Newcastle Leazes Park

Lat. ....

Lon. ....

County of NorthumberlandRain Gauge, by Antares NewcastleObserver W. L. Laws Esq. C.E.Tyne, lower - 3.F. J. Edge Esq. C.E.C. R. S. Kirkpatrick Esq. C.E.H. C. Hilton Esq. C.E.

Diameter ..	5										
Height ....	10										
Altitude ..	255 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.84	1.20	1.14	2.19	1.29	.19	1.94	<del>62</del> 1.37	1.84	1.46	2
February ..	7.02	(2.20)	1.64	1.26	2.80	.73	.57	.88	.36	1.68	1.914
March ....	1.78	1.86	.86	1.14	1.32	1.10	1.26	.63	4.70	5.60	2.025
April .....	1.34	2.01	1.24	1.37	1.50	3.18	1.35	2.45	3.06	2.59	2.009
May .....	1.47	2.11	2.39	2.28	2.44	.41	4.56	3.91	1.79	1.76	2.312
June .....	5.00	1.19	1.88	2.94	2.05	1.19	2.01	1.82	.27	2.56	2.091
July .....	1.61	3.62	3.23	5.03	1.29	1.94	2.02	1.32	3.58	2.92	2.656
August ....	6.06	1.97	2.60	1.87	2.22	2.41	3.11	2.09	.63	3.50	2.646
September ..	.90	.76	.38	2.12	.81	1.00	.41	.35	1.96	1.48	1.017
October ....	6.74	2.38	2.43	8.14	.65	2.57	3.75	5.09	1.50	1.73	3.498
November ..	2.81	5.36	.98	1.86	2.23	4.00	3.00	1.04	1.43	.64	2.335
December ..	1.82	3.08	2.95	2.75	1.70	.45	(3.21)	2.88	.45	4.18	2.347
TOTALS ..	39.39	(27.74)	21.72	22.95	20.30	19.17	(27.19)	23.08	21.10	30.48	26.312

1900 St Andrews Church 730 yards S.E.

Trees 10 ft high 33 ft N.E.

1901 February Yield of S. exsiccavi, amount estimated

1903 Central Station 1 mile S.

1907 Not printed January very Presumably high

RAINFALL at Newcastle Leazes ParkCounty of NorthumberlandObserver W. J. Steele Esq. & Co.29 Newcastle Leazes ParkRiver Basin Tyne Lower 3H. Lums Esq (1916) J. P. Morgan (1917)Rain Gauge, by Wentworth Newcastle

Diameter ...	5										
Height .....	10										
Altitude ...	255 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1910-1919
January ...	2.59	1.70	3.32	3.04	2.58	1.92	1.07	2.36	2.30	2.29	8.02
February ...	2.73	.53	3.08	.37	1.31	2.81	2.96	1.15	.95	1.97	7.03
March .....	.47	2.10	1.75	2.69	2.01	1.91	3.65	2.07	1.11	2.53	9.36
April .....	1.60	1.51	.20	2.74	.82	.62	1.34	3.09	1.20	1.33	6.96
May .....	2.77	.52	2.61	2.20	1.39	1.86	3.04	2.31	1.46	.79	4.60
June .....	1.77	4.65	4.53	.95	3.70	.51	1.96	1.34	.61	(1.35)	5.26
July .....	2.66	1.40	2.70	.64	3.04	3.48	2.43	1.03	4.13	1.61	9.20
August .....	2.71	2.65	4.36	1.23	1.63	2.18	3.06	7.49	1.28	1.95	13.78
September ..	.62	2.77	2.09	6.01	1.86	1.41	1.49	1.59	5.04	.67	8.79
October ...	2.86	2.38	3.30	1.85	2.41	.98	2.85	2.26	2.38	4.66	12.15
November ..	3.29	3.75	1.44	1.36	3.47	1.63	3.39	1.15	1.34	3.42	9.30
December ...	2.07	3.21	1.57	.63	4.00	6.36	4.26	2.61	3.11	3.09	13.07
TOTALS ...	27.14	27.17	30.95	23.91	28.22	25.67	31.50	28.45	24.91	25.66	110.52

1912 Trees 10 ft high 33 ft NNE  
 1919. June partly estimated.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911 1917	58°	1.37	Central	1 mi	SE	St Andrews	730 yds	SE



RAINFALL at Newcastle Seagulls ParkCounty of NorthumberlandObserver W. J. Steele Esq.River Basin Gyre Lower 3City, Eng. Newcastle on TyneSnowdon Rain Gauge, by W. J. Steele Esq.  
sound and correct 1x.26 Newcastle

Diameter ...	5"											
Height .....	1 0											
Altitude ...	255-											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 Totals
January ...	2.72	4.92	2.84	1.11	1.99	1.85	2.10	1.68	2.56	2.71	2.91	28.39
February ...	.99	.13	1.78	2.97	.95	1.99	2.24	.72	1.16	.62	1.94	15.49
March .....	2.98	.68	1.46	1.67	1.10	1.96	1.28	2.08	2.78	.50	1.98	18.47
April .....	2.92	1.18	1.59	1.48	1.51	2.08	1.07	2.22	.93	1.57	1.68	19.23
May .....	4.54	1.58	.93	2.58	6.04	2.71	3.12	1.67	1.15	1.09	1.33	26.74
June .....	.86	.71	1.26	1.07	2.43	.08	3.14	3.79	3.87	1.78	.92	19.91
July .....	3.64	1.29	4.82	3.29	6.01	1.84	3.85	3.40	1.56	2.46	4.20	36.36
August .....	1.35	5.75	2.28	3.89	3.15	2.83	2.53	5.59	4.47	2.25	6.35	40.44
September...	1.58	.82	3.61	1.45	2.81	3.23	2.47	4.43	.98	.89	2.60	24.87
October .....	1.55	1.89	1.53	2.07	4.03	1.91	3.23	1.47	2.84	2.22	1.69	24.43
November...	.67	2.42	.80	3.79	1.16	2.57	3.95	3.18	2.49	2.99	1.76	25.77
December...	3.80	1.30	3.39	2.43	2.47	4.33	.75	4.52	1.56	2.97	2.01	29.53
TOTALS...	27.60 d	22.67 d	26.29 d	27.80 d	33.65 d	28.38 d	29.73 d	34.75 d	26.35 d	23.05 d	29.36 d	309.63 d

1920 Trees 10ft High 25ft N.W.E.

Inspected 9.6.18.26. 6. in large enclosure behind terrace in park.  
with hedges, trees etc at convenient distance all round.  
Excellent exposure.

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
1920	1° 58'	1° 37'	Central	1 mi	S	St Andrews	720 yds	S.E.

## RAINFALL at Newcastle (Leazes Park)

County of NorthumberlandObserver W. J. Steele, Esq., &c.River Basin Type-Lower-3.The City Engineer (1941)

Type of Gauge.....

Annual Average 25.4 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. S

716371/20.

water

Diameter	5'.										
Height	1.0.										
Altitude	255.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1930-40 Means Totals
January	2.76	.84	(1.44)	1.71	2.81	3.39	2.97	1.95	4.16	2.00	2403
February	.96	.88	3.27	3.6	2.64	3.19	3.68	.98	.80	2.19	1895
March	.75	2.08	1.70	3.00	.55	2.19	2.57	.37	3.16	1.91	1828
April	2.23	1.85	.82	4.64	3.42	1.52	2.68	.13	.99	.76	1854
May	2.90	3.39	1.65	1.25	1.18	1.70	2.68	3.68	1.20	.88	2051
June	3.55	.72	2.03	2.29	2.91	3.20	2.85	2.33	2.07	.90	2335
July	3.65	3.36	1.77	2.49	.53	2.77	2.64	2.29	3.09	7.32	2991
August	4.29	2.42	1.18	3.19	2.51	2.32	2.55	2.08	2.45	1.23	2422
September	<del>1.77</del> 1.39	(2.36)	1.92	1.23	3.70	2.65	1.67	2.43	1.06	1.87	2083
October	.97	4.21	4.05	3.77	4.58	1.63	2.10	3.58	4.79	3.59	3327
November	2.25	.88	3.48	3.56	3.85	3.35	1.91	2.71	2.37	3.37	2773
December	1.71	.67	2.17	3.72	2.16	1.36	6.25	3.62	1.47	2.72	2585
TOTALS	27.46 2.	23.16 2	(25.48) 2	31.21 2	30.84 2	29.27 2	34.55 2	26.70 2	27.61 2	28.74 2	28547 2

1931. No near objects.

1932. September included by near stations.

1933 Jan part estimated by near stations.

1940. Return adjusted for leaking gauge.

1931 Sep 4th cor'd for misphoned decimal  
(ref nearby stns.). BR not cor'd.  
4/5. 6.12.60.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.			Central	1m	S.	St. Andrews.	730 yds.	S.E.

Station No. M. 3561

RAINFALL at Newcastle (Leazes Park)

41

County of Northumberland Observer The City Engineer

River Basin Tyne - Lowland

Type of Gauge

Annual Average 26.4 in. based on 21 years obs. un-weighted. Period of average 1881-1915. Ref. S.

File No. 716371/26

Diameter	5"		019	121							
Height	1' 0"			1							
Altitude	255'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	4.19	2.85	2.76	.65	4.06	1.44	1.48	8.01	.58	1.45	27.47
February	5.81	1.49	.98	2.01	1.39	.35	2.64	1.42	.52	3.58	20.19
March	2.45	.99	.75	.69	.49	1.43	3.49	.65	.69	.53	12.16
April	1.46	.75	.68	2.35	1.75	1.35	3.16	1.72	1.36	1.95	16.53
May	1.63	.97	2.88	1.78	3.28	1.74	1.80	1.76	.54	1.81	18.19
June	2.79	1.25	2.02	2.23	2.12	2.08	2.61	3.18	1.49	1.35	21.12
July	1.53	2.13	1.90	2.68	2.16	3.95	2.86	.84	1.99	3.28	24.32
August	2.82	1.92	3.86	2.01	3.44	3.19	.04	4.65	2.03	5.32	29.28
September	.45	3.01	3.03	6.53	2.21	3.54	1.68	3.66	.72	3.08	27.91
October	4.07	2.24	2.47	2.78	3.11	.80	.77	1.58	2.18	.89	20.89
November	2.96	.82	2.67	4.92	1.21	4.18	2.51	1.28	3.12	4.77	28.44
December	.21	2.06	1.09	1.84	1.44	2.24	2.44	1.89	2.40	2.02	17.63
TOTALS	30.37	21.48	25.09	30.47	26.66	26.29	25.48	30.64	17.62	30.03	264.13

1941: Jan (and Feb) fast cold.

40004

10

23 4 - 10  
3 4 0Position 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



Station No. 3561 mRAINFALL at Newcastle (Leazes Park)

51

County of NorthumberlandObserver St. John'sRiver Basin Syne Lower-3

THE DIRECTOR OF PARKS &amp; CEMETRIES

Type of Gauge.....

Annual Average 26.4 in. based on 31 years obs. un-weighted.Period of average 1881-1915Ref. S P27.69 " " 35 " " 1916-1950File No. 7/627/126

Diameter ...	5"			019	121							
Height ...	1'0"				1							
Altitude ...	255'				61							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	1.03	1.54	.78	2.87	1.99	3.67	1.03	1.67	1.77	4.69	21.04	
February ...	2.11	.65	1.73	1.65	2.74	2.50	1.91	3.47	.57	1.97	19.30	
March ...	3.58	1.05	.09	1.23	1.91	1.03	1.15	3.21	.56	1.68	15.49	
April ...	1.45	.94	2.45	.52	.67	1.36	.43	1.23	1.66	0.73	11.44	
May ...	3.59	1.58	2.00	3.33	1.78	.37	1.53	3.08	.51	1.81	19.64	
June ...	2.21	1.71	2.05	2.06	3.00	2.63	2.08	2.58	1.77	0.22	20.31	
July ...	1.55	.92	3.13	1.99	1.01	2.56	3.48	3.49	1.24	4.51	23.88	
August ...	4.87	2.46	4.20	5.62	1.14	7.30	3.29	2.54	.26	3.51	35.19	
September ...	.98	3.51	1.82	2.84	1.13	3.05	3.69	1.63	.76	2.08	21.49	
October ...	.77	2.77	1.29	4.40	1.40	1.86	1.75	1.25	1.90	6.27	23.66	
November ...	5.26	3.23	.79	3.19	1.51	.65	1.43	.48	4.68	2.64	23.86	
December ...	1.51	3.71	.79	1.80	2.82	1.64	1.71	3.74	2.94	2.09	22.75	
TOTALS ...	28.91	24.07	21.12	31.50	21.10	33.62	23.48	28.37	18.62	32.26	258.05	10
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NZ(45)237651

Date.	Lai. 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
C 1896	✓	✓	✓	✓	
	✓ bwd 19, - 13-15	✓ bwd 20-24	bwd 31, 40	✓	