

RAINFALL AT Wall Grange.

Lat. $50^{\circ} 5'$ Lon. $2^{\circ} 3'$

County of

Stafford

Rain Gauge, by

Observer

G. D. Harrison

Stafford - 5

(See G. D. H. below.)

Engt. to Staff. Factories

Waterworks Bay,

Diameter.....	5"												
Height.....	1 ft.												
Altitude.....	454 ft. above sea level.												
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.		
January.....	2.21	1.56	5.38	3.04	3.40	3.43	2.09	4.95	3.81	1.53			
February.....	1.95	3.51	3.45	1.12	2.93	1.13	3.50	4.94	1.58	3.81			
March.....	1.85	1.69	3.65	4.68	2.48	1.04	4.49	3.90	1.45	1.42			
April.....	1.55	3.05	3.55	.88	1.43	.41	3.10	2.16	1.92	2.34			
May.....	1.89	2.25	2.80	2.73	1.13	1.93	.91	3.44	6.34	2.24			
June.....	1.26	3.81	6.44	2.66	.89	3.46	2.72	3.80	3.09	5.03			
July.....	1.41	3.82	5.92	3.84	4.11	6.13	2.06	3.90	1.36	5.45			
August.....	.44	2.26	4.85	3.98	3.94	3.73	3.11	4.89	5.64	8.43			
September.....	2.94	5.23	4.42	2.64	2.88	3.52	5.96	2.72	4.36	2.68			
October.....	6.90	4.86	6.79	3.22	3.66	5.65	1.49	3.22	3.64	1.88			
November.....	1.14	1.80	3.99	2.84	5.55	4.66	3.44	3.80	3.44	1.64			
December.....	3.04	2.21	5.02	.44	3.88	1.04	4.13	3.58	2.61	2.15			
TOTALS.....	26.94	36.06	55.96	32.46	36.61	36.49	34.93	45.33	39.60	38.66			

Back year 1870-1881 received Jan 1929 See case 9A File

820632/28

RAINFALL AT Cleek Wall Grange

80

Lat.

Lon.

County of StaffordOld Rain Gauge, byObserver J. B. Percy Esq

Bore - 5.

Diameter	8										
Height	1. -										
Altitude	458 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS
January....	2.65	3.68	3.60	1.99	5.46	3.54	1.86	1.48			
February....	2.76	3.58	2.22	2.25	7.78	.69	1.64	2.40			
March.....	2.57	1.53	2.92	1.85	2.87	1.84	2.51	3.43			
April	4.16	1.86	1.25	2.18	1.62	.75	1.83	2.80			
May	2.17	.94	1.76	2.48	5.53	1.94	1.08	3.83			
June	7.00	4.56	1.83	3.63	1.34	.93	3.21	.73			
July	3.38	3.57	3.59	1.29	3.43	1.31	5.52	3.67			
August	4.22	2.19	2.81	1.43	1.86	2.34	3.47	6.67			
September....	2.09	7.32	2.91	4.55	2.61	3.78	.94	4.03			
October....	5.03	4.74	2.06	5.46	5.11	2.47	1.20	3.00			
November....	7.02	3.72	2.29	1.94	2.89	1.71	5.16	2.02			
December....	5.12	2.28	3.13	1.83	5.35	2.31	2.52	3.37			
TOTALS	52.12	39.97	30.37	31.88	38.88	23.61	30.94	37.35			

Cheddleton Church $\frac{7}{8}$ mile S
House 244 ft high 50 ft W

RAINFALL AT *Kace Grange*.DRAFTS
for annual
MMLat. $50^{\circ} 5'$ Lon. $2^{\circ} 3'$ County of Stafford.

Rain Gauge, by

Observer

Chipp-5

G. D. Garrison
(Entered under G. D. D. S. S.)
Eng. to Staff. Potomac
Waterworks Co.,

Diameter.....	5"									
Height.....	1 ft.									
Altitude.....	454 ft. above sea level.									
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS.
	1880	1881								
January.....	1.20	1.44								
February.....	3.30	5.56								
March.....	2.11	2.96								
April.....	1.84	1.09								
May.....	1.90	2.96								
June.....	2.95	2.63								
July.....	4.40	2.51								
August.....	2.74	5.60								
September.....	5.30	1.52								
October.....	3.61	3.02								
November.....	3.80	3.01								
December.....	6.11	4.44								
TOTALS.....	42.12	35.54								

See
next
sheetBack year 1870 - 1881 received Jan 1529 file 820632/28
See end 9A

RAINFALL AT Leek Wall Grange

80

Lat.

Lon. County of Stafford

New Rain Gauge, by

Observer J. B. Percy Esq.

Dome - 5.

Daily

Diameter	5										
Height	1.-										
Altitude	4087										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....	.36	2.70	3.81	3.73	2.03	5.30	3.39	1.84	1.27		
February....	(6.21)	2.03	3.67	2.28	2.31	.76	.65	1.58	2.29		
March.....	(3.35)	2.48	1.50	2.83	1.90	2.79	1.71	2.52	3.29		
April.....	See present chart	4.24	1.88	1.16	2.22	1.54	.68	1.79	2.59		
May.....	(2.75)	2.13	.88	1.68	2.35	5.63	1.89	1.02	3.63		
June.....	(1.94)	6.81	4.46	1.78	3.56	1.38	.89	3.07	.67		
July.....	(3.30)	6.18	3.67	3.36	1.21	3.32	1.23	5.26	3.39		
August....	(6.67)	4.20	2.18	2.43	1.30	1.81	2.17	3.26	6.22		
September....	(2.11)	2.03	7.46	2.59	4.40	2.50	3.57	.87	3.81		
October....	(2.77)	5.14	4.88	2.05	5.60	5.16	2.35	1.08	2.87		
November....	(2.50)	6.77	3.83	2.16	3.08	2.91	1.70	5.15	1.95		
December....	(3.77)	6.36	2.46	3.08	1.88	5.41	2.16	2.54	3.04		
TOTALS....	(7.00)	51.97	40.68	29.11	31.84	38.50	22.39	29.98	35.02		

1882 - mid-year total (L. 1.)

Cheddleton Church 7/8 mile S

House 24ft high 50ft N

RAINFALL AT Leek Wall Grange

Lat. $52^{\circ} 27'$ Long. $2^{\circ} 25'$

County of Stafford

Dome 5.

Rain Gauge, by New Page

Observer

J. B. Piercy Esq
E. D. Harrison Esq C.R.

Diameter	5										
Height	1.0										
Altitude	458 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.98	2.27	2.71	2.21	3.35	4.08	1.84	1.94	2.12	4.10	2.860
February51	.15	1.98	3.72	3.72	.26	2.39	3.20	2.90	1.58	2.047
March	2.58	1.76	1.16	.70	2.40	3.56	4.67	3.36	1.07	1.60	2.286
April	1.21	2.11	.76	.41	1.45	2.44	1.35	2.75	2.04	3.99	1.851
May	1.82	3.58	4.06	2.19	2.38	.81	.48	2.25	3.92	2.17	2.366
June	2.69	2.69	3.50	2.30	2.31	1.29	3.43	2.90	2.27	2.05	2.532
July	2.79	2.81	3.09	2.30	2.72	4.56	1.62	2.15	1.24	2.84	2.602
August	3.45	4.09	2.79	2.37	3.67	3.69	2.77	3.39	5.13	2.12	2.947
September61	2.79	3.05	2.42	.34	.72	5.92	5.03	1.23	3.65	2.576
October	2.49	5.60	4.96	1.66	4.04	2.47	3.69	1.52	2.72	3.35	2.260
November	6.12	2.79	2.33	2.23	2.26	3.54	1.84	3.50	3.58	1.49	2.968
December44	5.00	3.06	3.65	3.34	3.22	5.14	4.36	3.70	3.26	3.617
TOTALS	28.75	35.44	33.45	26.16	31.98	30.64	35.04	36.35	31.92	32.20	32.193

RAINFALL AT Leek Wall Grange

Lat.

Len.

County of Stafford

Stone - 5.

Rain Gauge, by

Observer

old Gauge

J B. Piercy Esq

Diameter	8									
Height	1 0									
Altitude	458 ft									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January	4.30	2.80								
February62	.16								
March	2.68	2.20								
April	1.36	2.56								
May	1.90	4.10								
June	2.94	2.83								
July	3.06	3.31								
August	3.82	4.73								
September74	3.02								
October	2.90	6.14								
November	7.51	3.15								
December51	5.89								
TOTALS	32.34	40.89	33.43							

Gauge set in a block of stone with its rim
level with the surface of the block.

RAINFALL AT Leek Wall fringe

Lat.

Lon.

County of

Stafford.

Rain Gauge, by

Observer G. D. Harrison Esq. Cl.

done - 5

J. C. T. Scamley Esq.

Diameter ..	5										
Height ..	10										
Altitude ..	458 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.05	2.41	1.85	2.77	2.97	1.95	5.57	1.78	2.02	2.30	2.867
February ..	3.80	1.69	1.89	1.83	3.21	1.61	3.53	2.87	3.33	.93	2.429
March ..	1.00	3.39	2.50	4.85	1.96	4.09	2.88	2.50	3.60	3.87	3.064
April ..	2.11	2.87	2.05	2.22	2.12	2.72	2.32	2.19	2.44	2.33	2.337
May ..	1.52	1.19	3.49	2.61	2.45	.49	3.91	3.64	2.69	1.69	2.368
June ..	4.55	1.72	1.92	.82	.88	1.91	1.61	5.58	2.71	3.48	2.518
July ..	3.16	2.64	2.57	3.49	2.82	2.91	.63	3.72	3.68	5.19	3.081
August ..	4.64	3.71	3.48	5.18	4.73	4.31	2.76	4.82	4.06	2.39	3.958
September ..	1.15	1.06	1.62	6.01	1.92	1.90	2.09	.91	3.01	3.66	2.333
October ..	4.78	3.57	3.54	7.44	1.47	3.40	4.92	4.22	1.02	5.67	4.003
November ..	2.76	3.60	2.17	3.65	2.28	3.58	3.06	2.47	2.74	1.14	2.745
December ..	4.93	6.26	3.43	2.19	1.81	.66	4.76	2.97	2.97	6.09	3.607
TOTALS ..	39.45	34.11	30.51	43.06	28.72	29.53	38.04	36.67	34.27	38.74	35.310

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Hub

RAINFALL at Leek Wall Grange

County of Staffordshire

Observer G.B. H. Scammon Esq. C.R.

River Basin Trent-Dove 5

R.C. Train Esq. C.R.

Rain Gauge, by

Diameter ...	5											
Height	10											
Altitude ...	458 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.57	1.23	4.25	3.63	1.85	4.78	1.79	2.99	2.19	4.37		11.34
February ...	3.66	2.75	1.22	1.29	2.17	4.17	5.17	1.23	2.66	1.34		10.40
March	1.14	1.86	4.93	5.41	4.26	1.74	2.78	2.43	1.93	4.78		11.92
April	3.53	2.31	.39	3.96	1.20	1.46	3.41	2.48	1.32	2.19		9.40
May	2.43	.92	2.07	3.01	2.86	2.65	2.19	2.69	2.72	1.29		8.89
June	1.72	3.54	4.81	2.04	2.05	2.26	2.47	2.27	1.78	2.29		8.81
July	5.54	.57	4.31	.96	6.77	6.51	2.96	1.47	3.56	3.11		11.10
August	5.98	3.19	5.98	2.30	3.22	3.41	3.28	5.40	2.71	3.32		4.71
September ..	.47	2.38	1.97	1.38	2.15	.45	2.80	1.41	6.70	3.74		14.15
October ...	2.70	2.86	3.69	3.20	2.07	1.70	4.56	6.05	2.15	2.86		15.62
November ...	6.83	3.16	2.92	2.85	4.20	2.39	2.97	3.70	3.02	2.72		12.41
December ...	5.22	5.82	3.50	2.03	6.39	6.10	3.35	1.68	5.79	6.18		17.00
TOTALS ...	42.79	30.59	40.04	32.06	39.18	37.62	37.23	33.80	36.53	38.19		
	27° N	2° W										

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52° 27' N	2° 30' W	W Grange	1/4 m near	W	London	1/2 m	NW

RAINFALL at Leek (Well Stange).

County of Staff.

Observer R. G. Hahn, Exp. 6.8.

River Basin 5 - Dove

Skaff Poterie Water Rd.

Snowdon Rain Gauge, by

Snowdon Rain Gauge, by _____

1927. Cottage 30 ft. high 23 ft. N.

Engine No. 55 - 104 W

25/IX/28 Inspected by Mr Glanpole see green file

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
1904. Oct. 1st	52° 58'	2° 6'	W. Garage	1/4 m.	W.	Longdon	5 m.	N.W.

RAINFALL at Leek (Wall Grange P.Stn.)

County of Staffordshire

Observer R.C. Finch Esq., C.E.

River Basin Trent - Dave 5

P. Williamson by C.E.

Type of Gauge Snowdon.

Annual Average 34.7 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

820632/29.

Diameter	5											
Height	10											
Altitude	457	456										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.28	3.30	1.99	2.96	2.49	3.80	4.15	4.51	5.53	2.03	3504	
February	3.99	1.16	4.87	3.1	3.97	1.93	5.99	1.57	2.15	2.42	2136	
March	1.16	2.28	2.58	2.12	1.09	1.82	2.20	1.97	2.42	2.26	1790	
April	4.97	3.04	1.34	1.84	3.35	1.43	3.49	1.29	1.93	2.17	2385	
May	3.27	5.02	1.67	1.73	71	1.48	2.36	2.00	1.88	1.58	2070	
June	5.23	1.83	2.68	1.37	4.78	2.73	1.38	2.99	1.95	1.17	2506	
July	3.72	3.07	2.90	1.99	1.08	6.17	3.32	3.62	5.35	4.89	3611	
August	5.26	2.66	1.71	2.97	1.99	2.22	1.82	2.33	1.57	1.08	2261	
September	3.39	2.47	1.81	2.26	4.64	4.56	1.23	2.40	1.85	2.88	2549	
October	1.13	6.40	5.39	3.08	6.03	3.69	2.00	3.87	2.52	3.97	3808	
November	5.67	2.73	1.56	1.60	4.77	4.02	1.11	4.24	6.07	7.08	3885	
December	1.93	1.21	2.45	4.45	4.41	3.65	3.74	4.35	1.80	3.58	3036	
TOTALS	43.00	33.17	26.74	27.68	39.26	36.50	31.79	34.14	34.02	35.11	34.14	
	D.	KM										

1931. Gauge moved May 14th 1931. 213' W.

Engine house 55' high 41° N. Cottage 30' high 220° E.N.E.

1932. Gauge moved 25th August 200 ft E.

1934. Engine house 55' high 144° NW; Cottage 30' high 80° N.

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.			Wall Grange	1 m	S.W.	Longdon	3/4 m

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

Station No. T.F. 2371

RAINFALL at *Lock (Watt grange P.S.tn.)* ✓

41

County of *Staffordshire*Observer *P. J. Jackson Esq. BE.*

Retired 1946

River Basin *Trent - Dove - 5*

C.V. BROWNE C.E. M.I.M.E. M.I.W.E. (1946)

Type of Gauge *Snowdon*Annual Average *34.4* in. based on *35* years obs. un-weighted. Period of average *1881-1915*. Ref. *B & N.*File No. *820632/48*

Diameter	5"		103	043								
Height	1'0"				1							
Altitude	456'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.64	3.57	5.09	4.82	2.72	2.90	2.02	5.74	1.69	1.99		
February	3.24	1.91	2.13	1.51	3.32	6.47	.71	1.78	1.00	5.01		
March	3.50	1.59	1.07	.55	1.26	.97	5.12	1.19	2.15	1.46		
April	1.81	1.77	1.21	2.42	2.16	1.13	2.74	1.69	2.67	4.22		
May	2.83	4.41	3.46	1.88	3.41	1.55	2.89	1.22	1.57	.97		
June	1.05	.38	3.20	3.35	3.66	4.24	1.26	4.69	.81	1.91		
July	3.62	3.86	1.84	3.60	1.39	3.20	3.36	2.26	1.45	2.45		
August	4.37	2.85	3.78	2.95	3.33	4.69	.65	4.51	3.29	4.98		
September	.61	2.07	4.25	4.00	2.04	4.72	1.53	2.02	.62	4.72		
October	4.24	3.76	2.85	5.30	5.68	.65	.45	2.39	4.12	1.51		
November	3.21	.65	3.01	6.13	.31	5.77	3.73	2.02	4.92	5.01		
December	1.52	3.39	1.84	2.56	3.38	4.43	2.95	4.00	3.95	3.89		
TOTALS	31.64	30.21	33.79	39.13	32.66	40.72	27.41	33.51	28.24	37.32		
	D	D	D	D	D	D	D	D	D	D		

Point Houses 36° E. Long 146° NW, 17° High 100° NW, Lat 54° 20' E. Long 20° 53' 30" N.

1948 low n.p.

1949 n.p. pending inspection

29/31

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

BRITISH RAINFALL ORGANIZATION

Station No. 2371 T.F. 16

51

RAINFALL at Lusk (Wall Grange P. Sta.)

County of Staffordshire

Observer C.V. Brown Esq., C.E., M.I.M.E., M.I.W.E.

River Basin Trent & Dove - 5

Type of Gauge Snowdon

Annual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N

File No. 820632/28

Diameter ...	5"				103043						
Height ...	1' 0"				1						
Altitude ...	456'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.17	3.72	1.47	2.13	2.60	5.01	2.17	3.35	2.94	5.30	
February ...	3.58	1.72	1.80	2.96	1.86	.89	2.73	5.16	.70	2.42	
March ...	5.41	2.17	1.54	2.66	2.45	2.15	3.50	1.61	2.36	1.64	
April ...	2.87	3.24	2.49	.70	2.15	1.45	.44	1.38	3.05	1.66	
May ...	2.63	2.53	1.66	2.71	3.01	1.01	1.39	3.67	.90	1.99	
June ...	2.16	2.70	2.86	3.60	2.62	2.36	2.07	5.48	1.42	2.97	
July ...	2.22	2.23	3.31	3.89	.63	4.91	4.76	4.54	.91	4.25	
August ...	4.75	2.43	3.58	5.17	1.49	8.28	4.59	4.12	.86	4.78	
September ...	2.48	2.54	2.43	4.22	2.37	2.68	7.12	5.39	.13	4.59	
October99	3.81	2.08	5.54	2.66	2.55	2.81	3.95	2.46	5.17	
November ...	8.78	1.86	2.25	5.75	2.29	1.55	1.71	1.91	4.38	4.76	
December ...	4.42	3.97	1.45	4.56	3.31	4.12	3.68	3.46	5.74	4.17	
TOTALS ...	43.46	32.92	26.92	43.69	27.44	37.02	36.94	44.02	26.85	43.70	
	0	0	0	N.P.	0	0	0	0	0	0	

Ins. #10.53. G. leaking badly, set on edge of southward facing terrace. News g. to be set up south of terrace.
Measures broken. New measure recommended.

1953 N.P. leaking. New gauge purchased 22.10.53 but site not to be changed pending new building fit into the 1m x 1m. Neither site nor gauge had been changed since the 1953 ins. Reg. is in very poor condition. A new g. is to be installed immediately on a lawn 35' distant from terrace edge.

1954. Point.

Rejected

Annual Average 34.05 in. based on 20 years obs. within 1933-57 o/s Period of average 1916-1950 S

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 51(3) 966536

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1954			Wall Grange	1/4 m WSW	Langdon	3/4 m NW

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓ N.P. 48.49	✓