

RAINFALL AT Leek, Hillston

Lat. _____ Lon. _____ County of Stafford

Rain Gauge, by _____ Observer J. Wilson

Nov. 5.

Diameter ...											
Height											
Altitude ...											
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...			2.12	3.26	3.19	2.08	5.25		2.26	2.17	
February ...			2.06	2.15	3.78	1.7	6.80		(3.57)	.99	
March		# imp	2.71	5.08	2.17	4.04	2.97	(9.59)	(3.35)	3.42	
April			3.01	2.13	2.44	2.25	3.07	2.13	(2.74)	2.51	
May			1.20	4.10	2.31	2.18	.57	3.62	3.90	2.88	1.83
June			2.17	1.86	1.04	1.03	1.97	1.60	6.10	2.70	4.00
July			2.99	3.03	3.24	2.43	2.42	.97	3.99	3.94	5.90
August			3.82	3.78	5.35	4.74	3.94	3.17	4.79	4.60	2.87
September ..			1.10	2.15	5.90	2.08	2.16	2.99	.94	3.79	3.62
October ...			3.77	4.20	7.82	1.37	3.84	5.69	5.13	1.06	5.48
November ..			3.83	2.37	3.93	2.57	3.93	1.90	2.63	3.24	1.47
December ...			6.61	3.29	2.53	1.89	.75	2.32	2.87	3.28	6.71
TOTALS ...			33.80	45.05	29.68	30.53	36.41	(38.94)	(37.41)	40.97	

4 2 3 3 3 3 3 4 3 4 3 3

1901 (Apr-Dec.) - 1910 read. 25.12. entd. 24.12.12

1906 Jan - Aug. g. said to be leaking. Nov-Dec. leaking

1907 Jan - Apr. g. imperfect

1908 Feb-Apr. part entd. from Haregate.

* Completed by Haregate (Manchester) wat. 1917

RAINFALL at Leek, MilledonCounty of StaffordObserver J. Wilson EsqRiver Basin Trent Dove 5

Howard Rain Gauge, by

old. 5.02 imperial
 4.98 leaked
 5.00 glass broken
 5.01 but correct

A very shabby leak
 new Howard
 4.96 used June 1919
 4.98 - Jan 1920

5 in + 2. certified B.R.O.
 made 7 July 1920.

Diameter ...	(discarded)				(discarded)							
	5											
Height	10											
Altitude ...	750 ?											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTAL
January ...	3.61	5.33	4.03	3.50	2.34	5.27	1.97	2.89	2.37	(4.20)		16.22
February ...	3.72	2.72	1.63	1.58	2.58	4.22	5.51	1.34	3.01	(1.40)		11.43
March	1.15	2.03	4.98	5.43	4.79	2.08	3.72	2.42	1.86	(4.60)		11.26
April	3.88	2.63	.46	4.18	1.34	1.74	3.60	2.69	1.48	(2.30)		12.60
May	2.32	1.02	2.38	3.04	3.00	3.40	1.95	3.94	3.54	(1.40)		10.07
June	2.64	3.74	4.57	2.58	1.78	3.13	2.50	2.32	2.03	(2.10)		10.83
July	5.92	.52	4.70	1.13	7.20	6.73	2.47	1.91	4.22	(3.00)		8.95
August	5.82	3.32	7.11	2.42	3.65	4.30	2.46	6.25	2.66	(3.50)		12.60
September ...	5.2	2.63	2.32	1.56	2.20	.59	2.25	1.54	6.98	(4.00)		14.87
October ...	3.12	2.95	4.20	3.56	2.81	2.00	4.64	6.13	2.05	(3.00)		14.71
November ..	6.45	3.60	3.20	3.13	4.80	2.74	3.46	3.58	2.80	(2.90)		15.82
December ...	6.62	6.50	4.05	2.04	7.08	6.95	3.03	1.96	5.17	(6.00)		12.74
TOTALS ...	45.77	32.99	43.63	34.15	43.57	43.15	38.56	34.97	38.17	(38.40)		1616

1901 (Apr-Dec.) - 1910 recd. 2.1.12. entd. 2.4.12. 12

1906 Jan.-Aug. g. said to be leaking. Nov & Dec. leaking

1907 Jan.-Apr. g. imperfect.

1908 Feb. & Apr. part entd. from Naregate

Not likely to affect accuracy

1913 July & moved to gauge 5

Home 3 Sling 20 gauge E

1919 Not Printed - corrected for leak. & interpolated

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.6 ⁴⁰ _N	2.0 ¹⁰ _W	Leek	1½ m	SW	leek	¾ m	SW

RAINFALL at Leek (Hillsdon)County of Staffs. Observer John Wilson, Esq.River Basin 5 - Bone (1921) A. J. Worthington Esq.Sunder Rain Gauge, by K. S. G.
(certified)

Diameter ...	5											
Height	1.0											
Altitude ...	750											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Totals.
January	64.25	3.83	5.28	3.72	3.33	3.02	3.86	3.55	6.74	2.60	4.62	44.80
February ...	4.13	2.7	4.04	6.22	1.47	4.57	3.16	2.84	3.40	.83	.54	31.47
March	2.45	2.18	2.59	2.05	1.25	1.28	1.72	4.69	1.96	.65	2.65	23.47
April	5.60	1.57	2.52	3.26	2.81	2.77	1.64	3.56	1.41	1.11	3.11	29.36
May	5.00	1.49	1.00	3.64	5.00	5.77	4.75	1.52	.86	1.96	1.92	32.91
June	3.83	.82	1.90	1.45	3.05	.12	2.63	6.70	4.42	1.96	2.37	29.15
July	4.45	.86	4.54	3.77	4.12	1.98	3.04	6.11	2.31	3.92	7.29	42.39
August	2.27	5.90	4.63	3.68	5.86	3.79	3.25	4.48	5.40	4.07	4.86	48.19
September...	3.59	1.41	4.22	4.48	3.73	4.69	2.33	5.06	.87	1.85	4.10	36.33
October	2.38	2.88	.69	3.41	4.88	4.90	3.10	2.76	5.03	4.70	5.73	40.46
November...	0.88	2.16	1.93	2.50	1.95	2.77	5.35	3.73	6.13	8.00	3.86	39.26
December...	2.58	3.58	4.46	5.07	3.46	2.63	1.65	1.76	3.14	6.41	3.75	38.49
TOTALS	64.44	26.95	37.80	43.25	40.91	38.29	36.48	46.76	41.67	37.96	44.80	436.28
	mp. 2.	D	D	D	D	D	D	D	D	D	D	44.80

1920 "New gauge in same position".

"Hill 30 ft. 40 ft. off E."

1921 Beech Tree 70 ft high 30 ft S.W.

25 ft 25 inspected by R. G. Langford sea green fies. - Small birds 1928

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
1920	53° 30'	2° 0'	Leek	12m.	S.W.	St. Luke's	3	S.W. S.W. N.

RAINFALL at Moorhill
Leek (Hillsdon)County of StaffordshireObserver A. Y. Worthington, Esq.River Basin Trent Dove 5Type of Gauge SnowdonAnnual Average 37.2 in. based on 12 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. 3

875121/28.

Diameter	5											
Height	1	0										
Altitude	750			680								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	4.52	3.05	1.88	2.91	2.37	3.67	5.24	4.55	5.58	2.38	3615	
February	4.02	2.4	4.71	3.4	3.79	2.40	5.52	1.45	2.58	2.42	2747	
March	2.2	2.36	2.57	2.37	1.15	1.99	2.22	.96	2.44	2.53	1881	
April	4.83	3.29	1.23	2.03	3.31	1.67	3.54	.31	1.98	2.61	2470	
May	3.17	4.94	2.01	1.68	.97	.52	2.79	2.83	2.30	1.72	2293	
June	5.51	1.30	2.95	1.54	6.14	3.63	1.41	2.17	2.20	1.34	2849	
July	4.18	3.93	3.47	2.78	1.26	6.96	3.28	3.88	5.81	5.30	4085	
August	5.75	1.70	0.78	2.94	1.90	2.26	.97	2.87	1.62	1.18	2197	
September	3.82	2.85	0.95	2.94	5.06	5.91	1.33	2.56	1.12	3.09	2963	
October	1.05	6.31	5.58	3.29	5.48	4.44	2.27	4.56	2.53	4.19	3970	
November	5.30	2.89	1.90	2.17	5.25	4.62	1.49	4.48	6.50	8.01	4261	
December	1.97	1.75	0.39	6.03	4.46	3.64	4.01	4.36	2.61	3.13	3235	
TOTALS	44.34	34.61	28.42	31.02	41.14	41.71	34.07	35.58	37.17	37.90	36596	km

1932. House 30 ft. high 30 ft. E.

Bark Tree 50. - 40 - S.W.

1937. Observer requests that name of station be altered to Moorhill - letter R.A. 2/3/37.

1938 House 50' high 20' NE. Trees 40' high 30' SE

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
-			Sale	1 3/4 mi.	S.S.W.	Sale	1 mi.	W.S.W.

Station No. M 2372RAINFALL at Leek (Moorhill)

41

County of StaffordshireObserver A. J. Worthington Esq.River Basin Trent-Dove-S

Lt. Col. G. J. WORTHINGTON (1950)

Type of Gauge SnowdonAnnual Average 27.2 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. 8File No. 875121/28

Diameter	5"			102	882							
Height	1' 0"				1					9"		
Altitude	680'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.44	3.23	5.04	4.94	2.78	3.42	2.04	7.94	2.24	1.96		Totals 36.06
February	3.40	1.48	2.24	2.03	3.80	6.25	(1.00)	2.14	1.30	5.92		29.56
March	4.01	2.05	1.16	.60	1.21	1.15	(5.41)	1.48	2.26	1.46		20.79
April	2.31	1.95	1.45	2.85	2.05	1.44	2.92	1.71	3.15	4.07		23.90
May	3.16	4.51	3.18	2.33	3.88	1.98	2.83	1.65	1.95	1.34		26.81
June	.69	.85	3.94	3.64	3.95	3.88	1.77	5.31	.91	1.41		26.65
July	3.37	4.25	2.70	4.07	1.77	4.03	3.68	3.27	2.60	2.73		32.37
August	5.39	3.03	4.23	2.67	3.05	5.26	.68	5.95	3.10	5.22		38.58
September	.73	2.46	4.87	4.56	2.42	6.61	1.94	2.89	1.09	5.44		33.01
October	4.86	4.53	3.06	5.56	5.62	.93	.73	2.93	4.56	1.99		34.76
November	3.78	.93	3.39	6.74	.63	6.86	4.42	2.83	5.26	5.05		39.39
December	2.03	3.90	1.95	2.59	3.57	4.42	4.34	3.89	4.09	3.72		34.50
TOTALS	36.06	33.17	37.21	42.48	34.73	46.23	31.76	42.02	32.41	40.81		376.88
	D	D	D	D	D	D	D	n. Plate	20	d		376.88

1941. Jan kept solid
 1947. Feb & March set for snow.
 1948. (large amount) Newcastle Rd., Oct. 23.75 1st Jan.
 1948 & 1949 record a hard year in March 1950

30004

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.

Station No. 2372 M.RAINFALL at Leek (Moorhill)

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County of StaffordshireObserver St-Col G.I. WorthingtonRiver Basin Trent & E 5Type of Gauge SnowdonAnnual Average 37.2 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S
38.03 " " 35 " " 1916-1950 1916-1950 PFile No. 875121/28

Diameter ...	5"		102	882	5"							
Height ...	0' 9"	1' 0"		1	1' 0"							
Altitude ...	680'			51	780'							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	3.41	3.52	1.80	2.72	2.81	5.23	2.58	3.79	3.20	5.81	34.87	
February ...	4.54	1.97	2.14	3.37	2.61	1.21	3.09	5.60	.73	2.72	28.04	
March ...	5.71	2.61	2.04	2.63	2.96	2.28	3.71	1.56	2.35	1.74	27.59	
April ...	3.59	3.72	3.12	.69	2.33	1.75	.45	1.39	3.28	2.03	22.35	
May ...	2.96	3.23	2.26	3.46	4.00	1.26	1.53	4.09	1.06	2.14	25.98	
June ...	1.97	3.30	3.29	5.26	3.03	3.18	2.53	5.61	1.52	2.67	32.36	
July ...	2.44	3.15	4.65	6.20	.93	5.94	5.35	5.38	2.51	4.62	41.17	
August ...	6.19	2.94	3.82	5.60	1.64	9.43	5.57	3.36	.73	4.97	44.25	
September ...	2.93	3.45	2.78	5.60	2.83	2.69	7.55	5.01	.24	4.94	38.02	
October96	4.86	2.22	6.26	3.08	2.47	3.30	4.06	3.08	5.73	36.02	
November ...	9.67	2.67	2.58	6.27	2.64	1.73	2.18	1.87	5.10	5.61	40.32	
December ...	4.45	3.96	1.82	4.89	3.89	4.63	3.56	3.63	6.29	4.42	41.54	
6. 1916-1950 TOTALS ...	48.82	39.38	32.52	52.95	32.81	41.79	41.40	45.35	30.09	47.40	412.51	
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference ST 3398.57

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
	✓ Inst - 10, 12, 19	✓ Inst d 20	✓ ✓	✓ 341-47, d 50	