

RAINFALL at Hamstall Ridware (No. 1 Gauge)

County of Staffordshire

Observer F.J. Dixon Esq. C.E.

River Basin Trent Left Bank Tributary

Type of Gauge M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

226645/33

Diameter									5"		
Height									1' 0"		
Altitude									213'	214'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January								2.79	5.12	3.06		
February								.58	.91	2.27		
March								.41	1.08	1.72		
April								.16	1.71	2.29		
May								1.47	1.54	1.41		
June								1.62	.88	.72		
July								3.01	3.97	3.48		
August								2.63	2.78	.42		
September								3.92	.87	.49		
October								2.01	3.16	2.98		
November								2.70	3.70	6.48		
December								2.78	1.59	1.45		
TOTALS								24.08	27.13	26.77		

Recorder House 14' high 58'ft S.

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 from gauge	Parish Church.	Distance from gauge
1938			Armitage L.M.S.	2 1/2 ml.	S.W.	Hamstall Ridware	4.00 yds 28°N. of W.

RAINFALL at Hamstall Ridware (No. 2. Gauge).

County of Staffordshire

Observer F.J. Dixon Esq. C.E.

River Basin Trent Left Bank Trib - H.

M.O.

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

2205045/23

Diameter										5"	
Height										1' 0"	
Altitude										240'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January								2.90	5.28	3.35	
February								.71	.90	2.35	
March								.51	1.12	2.03	
April								.16	1.84	2.44	
May								1.46	1.59	1.49	
June								1.82	1.00	.73	
July								3.29	4.15	3.73	
August								2.63	3.04	.47	
September								3.85	.69	.53	
October								2.13	3.28	3.05	
November								2.89	3.82	6.68	
December								2.85	1.68	1.55	
TOTALS								25.20	28.39	28.40	

Hedge 3' 6" high 34' S.W.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1936.			Armitage L.M.S.	2½ mds	S.W.	Hamstall Ridware	200 yds	6° S.E.

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

Station No. T.F. 2358/6

RAINFALL at Hamstall Ridware (No. 1 Gauge)

County of Staffordshire

Observer F. J. Dixon Esq./C.E.

G.B.E.

River Basin, West L. Bank - 4

R. A. Robertson Esq./C.E. (17-44)

Type of Gauge In. O.

Annual Average 24.3 in. based on 19 years obs. weighted. Period of average 1881 - 1915 Ref. I.W.S.

File No. 226645/33

Diameter	5"			093	709							
Height	10'					1						
Altitude	214'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.32	2.95	4.10	2.67	1.71	2.15	1.77	4.75	1.20	.76		
February	1.67	.93	93	1.58	2.17	3.72	1.10	1.27	.49	4.15		
March	2.62	1.93	.83	.16	.85	.72	5.14	1.02	1.46	.82		
April	1.18	1.13	.93	2.32	1.38	1.04	1.80	2.16	2.28	2.02		
May	2.35	2.90	2.76	.65	3.70	2.05	2.74	1.68	1.68	1.11		
June	.95	.09	2.32	2.12	2.29	2.84	1.45	3.83	.30	.85		
July	6.47	1.66	1.08	2.22	1.67	1.39	3.67	1.98	1.48	2.06		
August	3.66	2.70	2.20	1.95	1.82	4.89	.64	4.87	1.16	2.35		
September	.29	1.20	2.39	2.33	1.80	3.47	1.66	2.85	1.18	3.36		
October	2.66	2.22	1.74	2.66	3.65	.91	.43	2.44	4.26	1.00		
November	2.74	1.31	1.43	3.88	.26	4.78	2.14	1.15	2.70	3.34		
December	1.26	2.51	.83	1.51	1.60	2.47	1.95	3.68	1.88	1.73		
TOTALS	28.37	21.53	21.54	23.95	22.87	30.43	24.49	29.98	20.07	23.55		
	D	D	D	D	D	D	D	D	D	D		

1941 Recorder House 16' High 58's.

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
1941			Armitage L.M.S.	2½ m.	S.W.	Hamstall Ridware.	400 yds. 28° N.W.

Station No. T.F. 2358/6

RAINFALL at Hamstall Ridware (No. 2 Gauge) ✓ S.B.I.

County of Staffordshire

Observer

J. G. Dixon Esq.C.E.

River Basin Trent Left Bank - A

R. A. Robertson Esq.C.E.(1.7.44)

Type of Gauge M.O.

Annual Average 25.4 in. based on 14 years obs. un-weighted. Period of average 1881 - 1915 Ref. I.W.S.

File No. 226645/33

Diameter	5"		093	644						
Height	1'0"				1					
Altitude	240'				41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
										Means
January	2.59	3.13	4.17	2.71	1.83	2.18	1.87	4.63	1.23	.84
February	1.93	1.01	1.00	1.72	2.21	3.78	1.22	1.86	.52	4.29
March	2.60	2.01	.87	.18	.85	.74	5.24	1.02	1.80	.86
April	1.23	1.18	1.00	2.49	1.43	1.09	1.79	1.87	2.34	2.26
May	2.40	3.07	2.91	.62	3.83	2.11	2.85	1.70	1.65	1.18
June	.86	.11	2.39	2.20	2.29	2.89	1.51	3.36	.33	.95
July	6.50	1.74	1.42	2.37	1.80	1.45	3.68	1.94	1.51	2.16
August	3.74	3.02	2.23	1.89	1.85	4.93	.68	4.30	1.23	2.45
September	.31	1.30	2.42	2.48	1.89	3.56	1.72	2.88	1.15	3.46
October	2.97	2.37	1.78	2.70	3.76	.95	.43	2.43	4.29	1.11
November	2.84	1.37	1.56	4.02	.25	4.91	2.24	1.13	2.80	3.46
December	1.39	2.74	.87	1.57	1.67	2.48	2.02	3.72	2.03	1.84
TOTALS	29.36	23.05	22.62	24.95	23.66	31.07	25.25	29.64	20.58	24.86
	D	D	D	D	D	D	D	D	D	D

1941 Hedge 3'6" high 34' S.W.

25504

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
1941			Amritage L.M.S.	2'2 m.	S.W.	Hamstall Ridware.	200 yds. 65° S.E.

Station No. 23585

FF. 15

RAINFALL at Hamstall Ridware (No. 1 Gauge)

51

County of Staffordshire

Observer R. D. Robertson Esq. C.E.

River Basin Trent - Left Bank - 4

Type of Gauge M.O. H.R.

26.3

Annual Average 25.2 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 226645733

Diameter ...	5"				093	709					
Height ...	110"					1					9
Altitude ...	2141					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.98	2.58	.78	.99	1.72	3.26	1.05	1.81	2.77	5.10	
February	2.36	.57	1.31	2.35	1.86	.57	1.78	3.52	.27	1.68	
March	3.82	1.75	1.07	2.04	2.36	1.10	1.53	1.35	1.64	1.59	
April	1.85	2.28	2.23	.39	1.15	.91	.20	.48	2.83	0.89	
May	3.19	2.31	1.76	2.11	3.29	.81	.70	1.68	1.02	1.33	
June	1.37	2.30	2.14	2.65	2.94	1.87	1.42	4.04	.88	2.72	
July	.76	1.29	2.47	2.87	.65	1.92	3.51	4.95	1.14	3.27	
August	4.44	1.64	3.42	4.17	.87	4.65	4.89	2.43	1.25	3.65	
September	2.00	1.12	1.88	1.83	1.00	2.10	4.89	2.27	.26	4.88	
October	.66	2.27	1.58	3.42	1.47	1.66	1.42	2.59	2.38	5.27	
November	5.05	1.30	1.64	5.32	2.23	.76	1.71	1.34	3.17	3.01	
December	2.05	2.92	1.05	2.84	1.47	2.93	1.10	2.88	2.96	2.88	
TOTALS ...	29.53	22.33	21.36	30.98	21.00	22.54	24.20	29.34	20.57	36.27	
	D	D	d	w	w	w	w	w	w	w	

1953 Daily readings discontinued 27/7/53. Weekly readings to be taken each Monday, and monthly readings on first day of each month.

1954. Recommended No. 141 @ 6815
Trust. III 1958 f.b.o.k. Trees 40°, 65° NW 10, 20° 30' N. River Bank drops 4°, 5° N. May be possible to find a better site downstream.

1959. Informal by W.W. J. move to a new site. Update given.

Rejected

Annual Average 25.6 in based on 19 years obs. within 1938-57. 1.14 in low obs. Period of average 1916-1950 S

Position of Station on Ordnance One-Inch map : No. of Map 120 National Grid Reference SK109192

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1954			Armitage	2 1/2 m SW	Hamstall Ridware	400 Y 28° N of

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C1938	✓	✓

Station No. 2358/6 I.F. 15

RAINFALL at Hamstall Ridware (Pt 2 Gauge)

County of Staffordshire

Observer R. D. Robertson Esq. C.E.

River Basin Trent Left Bank 4

Type of Gauge M.O. H.H.I.

Annual Average $\frac{25.4}{26.27}$ in. based on 14 years obs. un-weighted. Period of average 1911-1915
 " " " 19 " " within 1938-57 " " " 1916-1950 S
 File No. 226642/23

Diameter	5"			093644							
Height	10"				1						
Altitude	240'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.06	2.76	.85	1.10	1.96	3.56	1.17	1.81	2.80	5.04	
February	2.44	.62	1.37	2.33	1.99	.51	2.01	3.82	.33	1.81	
March	3.90	1.69	1.13	1.94	2.44	1.24	1.85	1.42	1.74	1.43	
April	1.78	2.28	2.22	.41	1.21	1.20	.20	.51	2.72	1.05	
May	3.27	2.47	2.23	2.30	3.69	.93	.73	1.54	1.10	1.37	
June	1.48	2.37	2.30	3.04	3.19	1.98	1.48	4.07	.96	2.87	
July	.84	1.21	2.69	3.00	.58	1.98	3.59	5.48	1.36	3.78	
August	1.49	1.64	2.52	4.47	.92	4.46	5.29	2.41	1.17	4.22	
September	2.09	1.18	1.96	1.95	2.07	2.87	5.59	2.28	.23	4.73	
October	.71	3.09	1.65	3.77	1.68	1.69	1.47	2.88	2.10	5.02	
November	5.94	1.46	1.64	4.58	2.37	.66	1.97	1.42	3.46	3.14	
December	2.31	3.41	1.13	3.08	1.67	3.02	1.14	2.95	3.53	3.35	
TOTALS	31.31	24.18	21.69	31.97	23.75	23.65	26.49	30.59	21.50	37.81	
	D	D	d	w	w.	w.	w.	w.	w	w	

1953 Daily readings discontinued 27/7. Weekly readings to be taken each Monday, and monthly readings on first day of each month.

1954. Medop 2¹/₂" @ 26° SW.

July III 1958 J.B.O.K. Satisfactory

Position of Station on Ordnance One-Inch map :

No. of Map 120

National Grid Reference SK 103 193

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1954			Armitage	2 1/2m SW.	Hamstall Ridware	200' 6° S 6° E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
				C 1938 ✓	✓	✓