

RAINFALL AT *Bromsgrove Lower Pitta*

2437
80

Lat. Lon. County of *Worcester*

Rain Gauge, by Observer *W. B. Bleggam Esq. L.E.*

Upper arm - 3.

Diameter										5	
Height										3.0	
Altitude										430T	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									87 89 77	.82	
February									88 97	1.60	
March									288 291	2.69 2.67	
April									1.45 3.29	4.29	
May .....									.57 3.67	3.37	
June									2.99 99	.85 1.30	
July									6.89	2.29	
August									2.97	3.10	
September....									1.03 2.96	2.96	
October ....									.60 59	3.04 3.00	
November....									435 432	1.30 1.36	
December									2.24 2.26	1.40	
TOTALS									27.74 27.72	27.71 27.73	

1888-89. Corrected for wrong day. Red ink figs. are corrected values (See note at beginning of this book).

N. B. Values quoted in Rainfall Survey, 1928.

RAINFALL AT Promsgrove Lower Pittal Res

Lat. _____ Lon. _____ County of Worcester

Upper ~~Area~~ 3. Rain Gauge, by _____ Observer F. A. Jones Esq C.E.

Diameter	5											
Height	3 0											
Altitude	430 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.29	2.21	2.36	1.80	1.91	3.77	1.04	2.05	.84	3.60	2.287	
February ....	.66	.04	1.26	2.64	1.88	.22	.34	3.27	1.67	2.34	1.432	
March	1.73	1.16	.95	.45	1.05	2.06	2.49	3.15	.73	.77	1.454	
April	1.06	2.10	1.02	.28	2.02	2.43	1.07	2.04	1.99	2.19	1.620	
May	1.98	3.69	1.65	1.81	2.36	1.07	.35	1.24	4.53	1.99	2.067	
June	1.80	2.43	2.45	1.49	2.16	1.10	2.59	3.33	.93	2.18	2.046	
July	2.21	3.38	2.08	2.58	4.11	2.21	1.64	.34	.94	1.45	2.094	
August	2.69	3.34	3.12	1.86	3.06	3.05	2.24	3.97	3.38	.98	2.769	
September....	1.01	1.92	2.10	1.00	1.94	.30	4.57	2.33	.73	2.24	1.814	
October	1.45	6.86	2.24	2.41	3.68	2.72	2.30	1.53	2.89	2.09	2.817	
November....	3.22	2.87	2.64	1.93	3.21	3.56	1.31	2.07	2.37	1.07	2.425	
December ....	.67	3.10	1.80	2.41	2.23	2.46	3.54	2.29	1.93	1.99	2.242	
TOTALS	21.77	33.10	23.67	20.66	29.61	24.95	23.48	27.61	22.93	22.89	25.067	

RAINFALL AT *Bromsgrove Lower Bittal Reservoir*

Lat. Lon. County of *Worcester*

Rain Gauge, by Observer *F. A. Jones Esq. CL*

Upper avon - 3.

Diameter ..	5											
Height	3.0											
Altitude ..	430 T											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.38	.56	.68	1.78	3.08	1.14	4.07	1.03	1.11	1.30	1.813	
February ..	4.58	.95	1.77	1.21	3.79	.68	1.78	.78	1.36	.68	1.758	
March ....	.80	1.99	1.68	4.07	1.86	3.84	1.36	.89	2.47	3.40	2.236	
April	1.46	1.84	2.89	1.45	1.18	2.48	1.30	1.92	2.45	2.25	1.922	
May	1.53	.91	2.91	3.45	3.29	.45	2.54	3.45	2.31	1.41	2.225	
June	2.15	2.17	3.01	2.22	.49	3.51	3.00	2.54	1.83	4.19	2.511	
July	1.74	1.84	1.25	2.15	3.64	1.03	1.08	2.31	2.63	3.25	2.092	
August	2.67	.64	5.42	4.69	1.76	5.53	.89	3.23	2.77	1.94	2.954	
September..	.44	.35	1.59	3.25	2.21	1.35	1.23	.62	1.88	4.53	1.745	
October....	3.21	1.39	2.09	6.40	.78	1.36	4.97	5.76	2.24	3.01	3.131	
November..	2.31	.77	2.57	2.12	1.49	2.65	3.39	2.21	2.28	.80	2.059	
December ..	4.28	4.96	1.69	1.62	2.48	.87	2.15	3.32	2.20	5.16	2.873	
TOTALS ..	28.55	18.37	27.55	34.41	26.05	24.89	27.76	28.06	25.53	31.92	2.1300	6501

1901 Unreliable 4 inches short

1907 Barometer Station 1 1/2 miles N

N.B. Annual values quoted in Survey, 1928.

RAINFALL at Bromsgrove Lower Pittal ReservoirCounty of WorcestershireObserver F. A. Jones by C.E.River Basin Swan - Upper Avon 3

Rain Gauge, by _____

Diameter ...	5											
Height	30											
Altitude ...	457T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	2.76	.92	3.78	4.33	.95	3.00	1.14	2.41	2.01	3.72		16.15
February ...	2.24	1.31	1.71	1.09	1.62	4.14	4.46	1.25	1.62	2.96		7.28
March .....	.79	2.00	4.35	4.52	2.59	.54	2.91	1.87	1.57	4.87		10.29
April	2.40	.95	.00	3.26	.93	.91	1.31	1.54	2.14	2.30		11.22
May	1.71	1.16	3.09	2.50	1.63	2.42	2.92	3.54	2.61	.91		8.29
June	2.19	1.71	5.90	1.16	2.98	2.17	1.33	2.85	.99	1.41		9.98
July	2.75	.35	3.31	1.31	2.65	6.40	3.15	1.76	1.54	3.11		6.58
August	5.42	2.91	4.18	1.33	2.13	1.95	3.94	5.41	1.77	2.63		9.56
September ...	.90	1.74	.82	1.82	1.26	.72	1.68	2.37	5.43	1.88		13.75
October ...	2.11	2.05	2.95	4.03	2.64	3.00	2.97	3.07	1.77	2.97		11.56
November ..	4.37	2.87	1.92	3.01	3.08	3.04	3.73	1.41	1.25	1.31		11.78
December ...	5.41	1.46	4.13	1.24	6.55	4.99	2.63	1.23	2.60	4.00		7.70
TOTALS ...	33.15	22.44	40.14	29.60	30.01	33.28	34.17	28.71	26.50	32.07		11.46
	2	2	2	2	2	2	2	2	2	2		12.43

N.B. annual values quoted in Survey, 1928.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.22 N	1.57 W	Banham	12.91				

RAINFALL at Bromsgrove (Lower Bittall Reservoir).County of WorcesterObserver F. A. Jones Esq. L.S.River Basin 3 - Upper Avon.Gloucester Dock Co., A.J. COWS (1927)Howard Rain Gauge, by Old Gauge.

Diameter ...	5											
Height	3.0											
Altitude ...	255											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean	
January ...	2.80	2.64	4.20	2.08	2.76	1.88	3.68	3.90	4.48	1.55	4.62	Totals. 34.59
February ...	1.02	.25	2.89	5.39	.90	2.93	2.50	2.78	1.89	.78	.67	22.00
March	2.53	1.20	2.35	2.49	1.07	1.04	.63	2.85	2.72	.16	2.69	19.76
April	4.46	1.09	3.09	3.01	3.95	2.38	2.87	1.98	1.96	.89	3.30	28.98
May	2.27	1.77	1.01	1.83	5.78	3.71	4.52	2.09	.55	1.76	2.11	27.40
June	1.90	.32	.91	.48	2.55	.29	1.96	3.91	2.93	1.81	1.29	18.35
July	5.86	.79	4.94	2.83	3.25	3.40	1.70	7.24	1.21	1.62	4.44	37.28
August	3.04	3.51	4.80	2.24	3.82	2.90	2.37	4.73	1.91	2.32	3.68	35.32
September...	2.88	1.27	2.68	3.00	3.70	4.08	1.04	4.97	.60	.98	4.54	29.74
October	3.17	1.83	.43	3.85	3.80	3.91	2.47	1.89	4.53	4.15	3.14	33.17
November...	.76	2.04	1.35	1.87	2.23	1.71	5.48	3.72	3.39	7.65	3.56	33.76
December...	2.37	1.87	3.99	3.12	3.21	2.68	.49	3.27	2.38	4.80	3.32	31.50
TOTALS...	33.06	18.58	32.64	32.19	37.02	30.94	29.71	43.33	28.55	28.47	37.36	351.85
	D	D	D	D	D	D	D	D	D	D	D	

26.9.28 Inspected by Mr. Glanville see green file
new gauge fixed 1929.

1930. Schach q. N. B.

N.B. Annual values 1920-25 quoted in Survey, 1928.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
from pre. stat.	52°22'	1°59'	Barnet Green	1½ m.	W			
1929.						Alvechurch	1¼ mi.	S.S.E.

RAINFALL at Promagnave, Lower Pittall ReservoirCounty of Worcestershire Observer A. J. Gullis Esq.River Basin Severn - Upper Avon 3.Rain Gauge, by New Gauge.

Diameter											5	
Height											1.0	
Altitude											457	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January										1.55	4.74	
February .....										.84	.67	
March .....										.16	2.72	
April .....										.91	3.34	
May										1.83	2.13	
June										1.86	1.30	
July										1.72	4.46	
August										2.38	3.66	
September										1.01	4.53	
October										4.28	3.21	
November										8.02	3.59	
December										4.96	3.32	
TOTALS										29.52	37.67	

1929 Gauge fixed 1st January.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
1929			Barnet Green	1 1/2 mi.	W.	Alvechurch	1 1/2 mi.	S.S.E.

RAINFALL at Bromsgrove (L. Bittall Res.)County of WorcestershireObserver A. J. Cullis Esq., C.E.River Basin Severn Upper Avon 3Type of Gauge M.O.

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

663548/26.

Diameter	5											
Height	1	0										
Altitude	457											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.89	1.82	2.06	2.88	1.10	3.42	3.25	3.30	5.98	3.36		Total 29.36
February	2.69	.29	3.09	.45	2.62	2.99	4.48	.58	1.26	3.05		21.50
March .....	.28	1.73	2.53	2.54	.64	2.14	2.80	.41	1.87	1.65		16.62
April	3.92	3.60	1.24	2.22	3.80	2.12	3.22	.12	2.03	3.49		25.76
May	4.46	6.20	1.51	.95	1.07	.99	2.29	2.07	1.20	2.81		23.55
June	4.53	1.18	2.65	1.02	3.14	5.78	.70	2.21	1.77	.77		23.75
July	4.55	2.68	1.85	1.33	.70	5.74	2.65	3.31	5.57	2.89		34.27
August	5.09	1.91	0.84	2.40	1.42	.86	.60	3.29	2.69	.27		17.37
September	2.87	3.08	0.75	2.36	3.71	3.49	2.05	2.34	0.88	1.62		23.15
October .....	.96	3.49	3.60	1.68	3.81	1.76	3.05	2.83	3.59	4.35		29.12
November	3.29	1.68	1.15	2.37	5.82	2.75	1.59	3.24	3.98	6.97		32.84
December .....	.95	1.00	0.52	5.60	4.00	2.66	2.65	4.63	2.24	2.02		26.27
TOTALS	35.48	28.66	21.79	25.80	31.83	35.03	29.33	28.33	33.06	33.26		302.56
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		446

1940. Jan part extra.

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.			Bant Green	1 1/2 m	W.	Abchurch	1 1/4 m	S.E.

RAINFALL at Bromgrove (Lower Bitchell Res.) old g.County of Worce Observer A. J. Collins, C.E.River Basin 3 - Severn - Upper AvonType of Gauge HowardAnnual Average in. based on years obs. un-weighted. Period of average Ref.

663543/26.

Diameter	5"										
Height	3' 0"										
Altitude	451'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	MEANS
January	1.97										
February	2.67										
March	2.29										
April	3.89										
May	4.40										
June	4.51										
July	4.53										
August	5.13										
September	2.84										
October	2.95										
November	3.42										
December	2.93										
TOTALS	35.53 44.24	#1	Minute 35								

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
1931.			Bamf Green	1 1/2 m	W.	Alvechurch	1 1/4 m	S.S.E.

Station No. T.F. 2437.RAINFALL at Bromsgrove (L. Battall Res.)

41

County of Yorks Observer A. J. Ellis Esq. R.E.River Basin Severn Upper Avon 3 E. Perry Esq. (1942)Type of Gauge M.O.Annual Average 38.9 in. based on 22 years obs. un-weighted. Period of average 1881 - 1915 Ref. 145File No. 663543/26

Diameter	5"				454	380						
Height	1'0"					1						
Altitude	457'					91						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.96	3.89	5.32	2.42	1.73	2.16	2.20	5.03	1.70	.84		Totals 29.27
February	2.84	1.07	1.70	1.66	2.28	1.90	1.45	1.29	.81	5.07		20.07
March	2.64	2.36	1.04	.49	.96	1.01	6.24	1.12	1.83	1.20		18.87
April	1.58	1.13	.94	1.77	1.03	3.00	2.40	1.92	2.44	2.38		18.59
May	2.87	3.80	3.89	.67	2.73	2.58	2.26	2.88	3.05	1.92		26.05
June	2.10	.07	2.46	1.61	3.06	3.25	1.69	4.19	.44	3.39		22.26
July	4.76	1.75	1.37	3.87	2.47	1.99	2.74	1.61	3.28	2.81		26.65
August	4.50	2.45	1.64	1.92	1.74	5.73	.69	5.01	1.32	3.88		28.88
September	.77	1.27	1.79	4.20	1.74	3.97	1.37	2.76	1.73	4.32		23.92
October	2.85	3.22	2.30	3.65	3.55	.42	.49	2.99	5.67	.91		26.05
November	3.72	1.57	1.89	4.91	.46	6.17	1.88	1.86	3.62	4.78		30.86
December	1.80	3.91	1.35	1.93	3.69	2.83	2.53	4.65	1.55	1.81		26.05
TOTALS	34.11 D	26.49 D	25.69 D	29.10 D	25.44 D	35.01 D	25.94 D	35.01 D	27.44 D	33.31 D		297.54 484

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.
1941			Barn Green	1 1/2 m.	W.	Olveston Church	1 1/4 m.	S.E.

BRITISH RAINFALL ORGANIZATION

Station No. T.F. 2437RAINFALL at Thromsgrove (Dr. Pittall Res.)

454350

51

County of WorcestershireObserver E. Perry Esq.River Basin Severn - Upper Avon - 3British WaterwaysType of Gauge M.O.Annual Average 28.9 in. based on 20 years obs. un-weighted. Period of average 1881 - 1915 Ref. 16830.67 " " 35 " " 1916-19501916-1988 25.23/26 PFile No. 262543/26

Diameter ...	5"				454	360						
Height ...	1' 0"					1						
Altitude ...	457'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	3.19	2.59	1.18	1.09	2.49	3.68	1.47	2.83	3.45	5.98	27.95	
February ...	3.00	.62	1.51	2.57	1.90	.55	2.74	4.57	.20	2.37	20.03	
March ...	5.31	2.99	1.76	2.68	3.00	1.06	2.61	1.58	1.84	1.28	24.11	
April ...	3.00	2.28	2.65	.82	1.38	1.16	.17	.46	3.12	1.18	16.22	
May ...	2.38	2.88	2.17	3.08	5.06	.67	1.52	2.74	1.17	1.72	24.39	
June ...	1.32	1.72	2.24	3.36	2.79	2.67	1.33	3.51	1.03	3.32	23.29	
July ...	.99	1.31	3.50	3.59	.78	3.80	3.46	3.34	1.67	4.78	27.22	
August ...	(4.80)	4.67	3.02	4.54	.61	5.37	4.24	2.47	1.45	4.57	35.64	
September ...	2.00	1.67	2.72	2.20	2.05	3.16	4.76	4.28	.17	4.77	27.78	
October ...	.76	4.95	2.04	4.06	1.48	1.97	1.69	2.51	3.05	5.78	28.29	
November ...	7.77	2.31	1.34	5.94	3.26	.81	2.22	2.56	4.01	4.19	34.40	
December ...	2.53	3.58	1.36	2.20	2.29	2.99	3.18	3.27	5.46	4.01	30.87	
TOTALS ...	38.05	31.57	25.49	36.13	26.98	27.89	29.39	34.12	26.62	43.95	320.19	
	D	D	D	D	D	D	D	D	D	D	D	

1951 shows a little dry but has always been so.

- 90204

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SP421743

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
	✓	✓	✓	✓	✓