

RAINFALL at Bristol (Kingswood, Horewell Hill)

County of Gloucester

Observer West Gloucester Water Co.

River Basin Lower Avenue - 5

Snowdon Rain Gauge, by N.F.Z.

Diameter								5'		
Height								1' 0"		
Altitude								381'		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
January								1.88	1.70	1.38
February								1.40	1.52	.60
March								1.06	2.52	3.16
April								3.64	2.74	3.30
May								2.81	2.12	1.62
June								2.83	.83	4.10
July								2.38	2.04	3.26
August								2.02	4.61	2.09
September								.52	2.08	3.14
October								5.20	1.76	5.56
November								2.86	1.14	1.09
December								5.85	2.36	4.91
TOTALS								32.45	25.42	34.21

1907-1919 and 1931 late up recd. $\frac{1}{1}$ | 73
 1920-1930 late up recd. $\frac{1}{1}$ | 73
 1934

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

RAINFALL at Bristol (Kingwood, Horewell Hill)

County of Gloucester

Observer West Gloucester Water Co.

River Basin Lower Avon &c. - 5

Swansea Rain Gauge, by N + Z.

Diameter	5"											
Height	1' 0"											
Altitude	381'											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	TOTALS
January	2.82	.99	3.69	5.30	1.00	3.69	3.27	.82	3.56	4.67		16.99
February	4.55	2.30	2.22	1.13	3.20	3.93	4.66	1.07	2.19	2.61		12.32
March	1.65	2.33	4.70	3.74	4.36	1.12	3.24	2.70	1.71	6.48		10.53
April	2.66	1.28	.13	2.85	1.66	.96	1.30	1.65	2.47	2.32		13.23
May	1.60	.97	1.97	2.41	1.28	3.05	2.90	2.60	2.05	.35		7.74
June	5.10	2.85	4.43	.92	2.01	.89	1.98	3.48	1.27	1.26		7.90
July	2.17	.13	4.08	.51	4.80	5.87	1.24	1.80	5.45	3.50		11.97
August	5.41	1.20	6.75	1.67	2.31	2.54	4.24	8.62	2.89	2.87		18.32
September	.23	1.60	.74	2.92	1.55	1.48	1.36	3.23	9.67	1.45		15.71
October	5.02	2.84	4.18	2.54	2.08	4.09	6.50	5.60	1.52	2.32		15.94
November	4.07	4.08	2.47	2.53	4.05	1.66	2.81	.84	2.18	1.69		7.49
December	5.27	6.70	5.95	1.84	6.48	6.68	3.90	.59	4.20	6.56		14.25
TOTALS	39.56	27.27	41.31	28.36	34.48	35.66	37.50	33.00	39.13	33.76		143.41

1907-1919 late Jap recd. 11/33

1920-1930 late Jap recd. 11/33

1931 late Jap recd. 11/33

Position of Station on reduced Ordnance Survey } No. of Map Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

RAINFALL at Hopewell Hill, Kingswood,

County of..... Gloucester Observer. West Gloucestershire Water Company
 River Basin. ~~Severn~~ Lower Avon - 5 Kingswood, Bristol,
 Station. 5th Rain Gauge, by Negretti & Zambra | Level of gauge 380.8 o.d.

Diameter	5"	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Totals.
Height	1' 0"												
Altitude	281'												
Year		1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January	4.20	3.33	3.39	1.81	4.68	3.13	4.98	2.94	5.48	0.88	4.74	37.56	
February	1.64	0.30	4.33	6.84	2.22	3.66	1.91	3.13	3.69	1.29	.46	27.47	
March	2.53	1.81	3.13	1.32	1.39	.48	.52	2.58	2.32	0.33	2.18	18.59	
April	4.40	0.81	2.30	2.37	2.88	1.65	2.61	1.18	0.82	0.67	1.99	21.68	
May	2.05	1.77	0.90	1.65	4.28	4.13	3.23	1.03	0.92	2.25	1.78	24.04	
June	3.11	0.15	1.40	0.50	2.95	-	1.57	2.88	2.10	1.95	.89	17.50	
July	4.39	0.80	4.07	2.49	4.40	2.65	2.47	3.79	3.27	1.28	2.64	32.23	
August	1.59	2.30	4.86	2.91	4.13	2.70	2.47	4.04	1.83	2.93	3.76	33.52	
September	1.40	3.68	1.31	2.52	3.05	2.89	1.22	5.97	0.90	0.31	3.50	26.75	
October	2.58	1.42	1.24	4.25	5.06	3.33	4.34	2.16	6.32	5.16	2.47	38.33	
November	1.82	2.04	1.72	2.76	3.01	1.62	7.38	2.71	2.95	8.60	4.57	39.18	
December	3.07	2.33	3.84	3.22	5.25	4.12	0.59	2.61	2.98	7.49	3.43	38.93	
TOTALS	32.78	20.74	32.49	32.64	41.30	30.41	33.29	35.02	33.58	33.14	32.41	357.80	

1920-30 late/ up recd. 26/1/33
 1907-1919 and 1921 late/ up recd. 2/33

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	Parish Church.	Distance from gauge
					Stapleton Chur ch	2.05 miles
					Frenchay "	2.10 miles
					Kingswood "	0.65 miles

RAINFALL at

Bristol (Lingswood, Hopewell Hill)

County of Gloucester

Observer The West Gloucester Water Co.

River Basin 5 - Lower Avon & C.

Type of Gauge Standard by N.Z.

Annual Average 30.5 in. based on 29 years obs. un-weighted. Period of average 1881-1915. Ref. S.

C 1932

219840/32

Diameter	5"										
Height	1' 0"										
Altitude	381'										378
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals Mean
January	1.98	3.71	2.69	2.58	.87	3.40	4.00	4.29	4.98	2.39	30.89
February	1.61	.93	2.62	2.14	3.18	2.62	4.21	1.09	1.68	2.74	19.92
March	1.37	2.37	3.31	2.12	.74	2.71	3.22	.25	1.52	2.64	19.15
April	1.94	3.16	1.39	2.49	4.71	2.13	2.71	.10	2.95	2.34	23.92
May	3.51	6.02	2.19	1.34	1.40	4.45	2.30	2.04	1.00	2.60	22.85
June	3.62	1.22	1.90	1.52	3.51	3.51	2.55	1.57	2.08	.67	22.15
July	3.56	3.34	2.27	.85	(.54)	5.56	4.04	3.61	4.54	6.52	32.83
August	3.33	1.05	0.97	2.30	1.94	.34	1.13	2.98	2.48	.14	16.71
September	1.81	4.85	2.87	2.10	6.24	3.25	2.10	2.92	.80	1.36	28.29
October	.81	6.47	2.25	2.09	6.21	1.36	2.94	5.08	2.37	3.46	33.04
November	3.77	1.95	0.51	1.07	5.72	3.81	1.75	3.84	6.70	8.59	37.71
December	1.93	1.85	0.43	6.24	3.85	3.03	1.79	3.21	2.06	1.56	25.94
TOTALS	28.24	36.02	23.30	24.94	38.91	32.22	32.74	30.98	33.16	34.89	315.40

1931 late July recd. 2/33 1932 Water tower 80' high 100° N.
 1907-19 do. do. 1937 Office block 256' high 59° 12' E of W(M).
 1920-30 do. do. near 2/33 1939 Water tower 59' high 92° 0' 240° E of W(M)

Position of Station on reduced Ordnance Survey Map, } No. of Map 111 Reference No. 4.C
 1 mile to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1937.			Fishponds L.M.S.R.	S, 100'	305° E of N (Level)	Lingswood, Stapleton Freeling.	65m 3,400m 2,05m 2,10m

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

Station No. 2185/7

RAINFALL at Bristol (Hopewell Hill)

41

County of Gloucestershire

Observer W. Gloucester Water Co.

River Basin Lower Avon & C-5

Type of Gauge Standard

Annual Average 30.5 in. based on 23 years obs. un-weighted. Period of average 1881 - 1915 Ref. S

File No. 219840/32

Diameter	5"		418	288	8"						
Height	1' 0"				1	1' 8"					
Altitude	378'		386	41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.23	3.24	5.33	2.16	1.87	2.79	2.38	5.48	.95	.71	Totals 28.14
February	2.95	.27	1.91	.73	2.96	2.85	1.58	2.26	1.22	5.26	21.99
March	3.28	2.00	1.26	.34	1.06	.85	5.47	1.52	1.28	1.40	18.46
April	1.16	1.02	1.08	2.33	.96	2.14	2.47	1.86	1.94	1.90	16.86
May	1.64	4.30	2.43	.90	2.56	4.23	3.30	4.63	3.40	2.13	29.52
June	1.61	.45	1.55	2.68	3.53	2.50	1.43	2.56	.61	1.78	18.70
July	1.83	2.47	1.53	2.28	1.81	1.08	2.95	.83	1.92	4.94	21.64
August	4.13	4.99	4.06	3.42	2.47	6.49	1.08	3.50	2.26	6.63	39.03
September	.69	1.88	2.66	3.55	2.45	3.83	1.55	2.19	2.42	4.86	26.08
October	2.09	4.35	2.65	4.56	4.20	1.31	.31	3.61	7.59	1.86	32.58
November	2.19	1.51	2.38	5.23	.34	4.69	2.53	1.55	3.30	5.85	29.07
December	2.46	3.13	1.61	2.10	4.75	2.92	2.80	4.85	1.92	1.88	28.38
TOTALS	27.25	29.61	28.45	30.28	28.96	35.68	27.85	34.90	29.81	38.66	310.45 446

1941 Water Tower 59' 6" high 92° 24° E. of N (M). Office Block 25' 6" high 59° 12° E. of N (M)

1944 Gauge moved 200 ft (distance not stated) to top of reservoir about half way through the year

1945 Dennis count netting 10 ft, 27 ft. 40° E. of N (T). True 20 ft, 46 ft 180° E. of N (T).
(New gauge installed from 1st.)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
1941			Bishopstone L.M.S. Staple Hill L.M.S.	5,100' 3450'	305° E (N) 355° E (N)	Kingswood	3,400' 3,380'	181° E (N) ..

Station No. 2185/7

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RAINFALL at Bristol (Hopewell Hill)

County of Gloucester

Observer W. Gloucester Water Co.,

River Basin Lower Avon 6-5

Type of Gauge Standard

Annual Average 30.5 in. based on 23 years obs., un-weighted. Period of average 1.881-1915 Ref. S
 32.20 " " 35 " 1916-1950 1916-1950 P
 File No. 219840/32

Diameter ...	8"				418	288					
Height ...	18"						1				
Altitude ...	386'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	3.55	2.70	1.82	2.02	2.98	3.86	2.96	2.95	3.43	3.21	28.48
February	3.80	1.65	1.43	3.31	1.56	2.26	3.03	3.32	1.12	2.04	20.02
March	3.08	2.53	1.91	2.74	1.30	1.64	2.65	1.31	3.41	1.70	21.33
April	3.30	1.86	3.12	1.67	1.09	1.37	1.07	1.06	2.69	1.22	16.45
May	2.61	4.38	2.11	1.98	4.12	4.48	1.50	3.02	1.31	0.85	22.36
June	.59	2.26	1.56	4.91	2.91	2.26	1.81	3.95	3.55	2.23	26.03
July	1.16	1.16	4.71	3.38	1.12	2.33	3.97	2.38	2.39	4.10	25.70
August	4.84	4.62	5.08	3.42	1.81	4.55	2.86	2.76	1.91	5.36	36.21
September	2.62	3.09	3.83	4.92	1.14	2.73	3.91	4.77	1.13	4.09	31.23
October	.66	4.78	2.41	3.61	1.27	1.38	3.40	2.39	3.41	6.48	29.79
November	6.31	3.77	2.21	6.76	3.29	1.81	2.05	2.61	3.77	4.28	35.86
December	2.22	2.28	1.03	2.36	3.27	3.99	2.21	3.94	6.67	4.89	32.86
TOTALS	34.74	34.08	29.28	41.08	23.86	24.66	30.42	34.56	32.79	40.45	326.32
	D	D	D	D	D	D	D	D	D	D	

1951 Dennis bent netting 10' high at 27°, 90° E & N(T). Incl 20° high at 96° at 180° E & N(T)
 1956 A little low but accept.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference ST(3)643.742

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Stable Hill (end)	3,650'	355° E	Kingswood	3,850' 151° E & N

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
		✓	✓	✓	✓	✓