

RAINFALL AT Pelworth Park Gardens

Lat.

Lon.

County of Sussex

2

Rain Gauge, by

Observer F. Streeter

Diameter	5											
Height	1.0											
Altitude	182											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.58	.99	1.58	3.68	2.91	2.17	3.96	3.16	.90	1.10		
February	3.54	3.17	1.26	6.21	3.26	5.09	.59	1.24	.90	2.45		
March .....	.95	2.89	1.69	1.18	2.91	2.54	2.22	1.71	4.59	2.78		
April	1.94	.55	3.86	1.31	1.45	1.28	1.90	1.77	1.96	1.98		
May .....	.00	1.51	1.69	2.15	.61	4.16	4.34	1.66	2.60	2.78		
June	2.74	1.50	3.20	2.52	1.75	1.93	1.19	.96	3.00	1.43		
July	2.68	1.57	4.11	2.43	2.31	.44	3.14	.84	5.08	1.91		
August	1.58	6.78	1.37	.89	.43	1.08	1.54	2.69	3.68	2.50		
September....	5.76	2.56	3.10	4.34	3.60	4.34	1.95	3.67	.77	.66		
October	8.06	2.02	7.38	2.52	.87	4.67	5.04	1.48	1.92	6.70		
November	2.27	5.41	3.27	5.05	.57	3.79	4.30	6.64	5.55	1.60		
December	3.18	3.92	2.63	1.08	4.30	1.63	6.61	2.33	2.72	1.98		
TOTALS	33.28	32.87	35.14	33.36	24.97	33.12	36.78	28.15	33.67	27.87		

RAINFALL AT *Petworth Park The Gardens*

Lat. _____

Lon. _____

County of *W Sussex*

Rain Gauge, by _____

Observer *Mr. E. W. Pull**No 2*

Diameter	5	.	.	.	.	5						
Height	1-0	.	.	.	.	1-0						
Altitude	182	.	.	.	.	182						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.27	3.21	.91	1.94	5.34	2.49	.87	2.24	.62	3.95	2.584	
February	1.03	.29	.70	3.93	1.97	.23	.33	3.25	1.14	3.85	1.672	
March	1.62	2.11	1.44	.66	1.97	2.15	3.98	5.64	.83	.94	2.134	
April	2.87	.95	1.10	.05	2.60	2.34	.34	1.69	1.31	2.51	1.576	
May	1.90	2.30	1.16	.54	1.66	.30	.33	1.30	3.95	1.15	1.459	
June	2.16	1.42	2.63	2.44	2.02	.24	2.86	2.01	1.90	1.56	1.924	
July	4.34	2.44	2.63	3.34	5.71	4.84	.59	1.33	.50	2.36	2.808	
August	2.65	6.91	3.25	.69	1.96	2.70	1.33	4.85	1.19	.67	2.620	
September ...	1.59	1.58	3.02	1.95	3.54	.83	7.25	2.26	1.77	5.54	2.933	
October .....	.63	8.27	5.70	4.53	4.00	3.07	4.32	.56	4.07	2.70	3.785	
November	2.73	4.42	4.36	2.35	6.59	6.90	1.42	1.57	5.84	6.60	4.278	
December ....	.61	5.15	1.95	3.70	2.25	3.32	5.56	4.94	3.60	2.41	3.349	
TOTALS	26.40	39.05	28.85	26.12	39.61	29.41	29.18	31.64	26.72	34.24	31.122	

1896 Petworth Church 500 yards N E
Hedge 671 high 23 ft E

RAINFALL AT Petworth ParkLat. 50.59 NLon. 0.57 WCounty of West Sussex

Rain Gauge, by

Observer Mr. E. W. Hall

26 2

Diameter ..	5										
Height	1 0										
Altitude ..	182										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	4.73	1.48	1.22	3.39	6.68	1.43	8.01	1.59	1.94	1.07	3.154
February ..	7.63	2.36	1.80	2.07	4.58	.78	3.71	1.68	1.49	.29	2.639
March ....	.83	2.70	2.48	4.00	1.16	5.44	1.37	.88	4.15	4.47	2.748
April	1.06	2.97	1.49	2.09	1.49	1.62	.92	4.28	2.64	1.40	1.996
May	1.94	.95	2.39	2.51	3.84	.56	1.80	2.99	2.18	1.91	2.107
June	2.74	2.86	2.58	3.33	.88	4.00	1.73	2.31	1.45	3.22	2.510
July	1.59	1.35	1.61	2.89	.74	.21	.65	1.08	2.46	2.27	1.485
August	3.19	1.68	3.84	4.89	1.99	2.81	1.65	1.79	4.98	2.10	2.892
September ..	1.39	2.36	.82	4.33	1.86	2.04	1.32	.50	2.08	3.38	2.008
October	2.71	3.47	3.30	9.92	2.41	1.81	5.41	8.01	2.17	8.03	4.724
November ..	3.24	.60	4.26	2.22	1.04	5.82	5.87	3.23	1.09	.98	2.835
December ..	4.87	6.18	2.11	3.17	3.96	.82	2.01	4.06	4.35	5.40	3.693
TOTALS ..	35.92	28.96	27.90	44.81	30.63	27.34	34.45	32.40	30.98	34.52	32.791

1900 Petworth Church 500 yards NE
 Hedge 6 ft high 25 ft E
 Petworth Station 1 1/4 miles S

RAINFALL at Petworth ParkCounty of SussexObserver Mr Est. GullRiver Basin Arun 2

Rain Gauge, by _____

Diameter ...	5										
Height	1 0										
Altitude ...	182 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTAL MEANS 1916-19
January ...	3.91	1.35	3.31	5.81	.58	5.17	1.92	1.14	4.37	6.11	13.54
February ...	5.47	1.76	2.99	1.41	6.89	7.08	5.76	.93	1.63	2.94	11.26
March	1.65	1.92	5.19	4.16	6.10	.45	4.13	2.09	1.55	5.14	12.91
April	2.23	1.42	.00	3.28	1.86	1.32	1.07	2.53	2.41	2.79	8.80
May	1.87	1.51	1.03	2.73	1.06	3.77	2.89	1.45	1.71	.46	6.51
June	2.26	1.97	2.92	.90	.47	.76	2.84	2.46	1.07	.81	7.18
July	2.99	.55	2.00	2.14	1.66	4.36	1.03	3.04	6.31	1.96	12.34
August	2.56	1.43	6.06	2.86	1.42	1.69	3.82	6.99	1.11	3.31	15.23
September ..	.12	1.06	4.38	2.84	1.42	1.84	2.55	1.67	5.82	1.45	11.49
October ...	3.90	5.01	3.63	6.22	2.44	4.05	6.36	4.61	1.56	.47	13.00
November ..	4.74	5.93	2.11	3.89	4.57	3.73	6.15	1.37	3.03	2.17	12.72
December ...	5.89	10.79	5.13	2.03	11.54	9.43	4.58	1.78	2.98	6.40	15.74
TOTALS ...	37.59	34.70	38.75	38.27	40.01	43.65	43.10	30.06	33.55	34.01	140.72
	D		D	D	D	D	D	D	D	D	

1915 Year hedge 6 ft high 20 ft E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
710	50.59	0.57	Petworth	1 1/2 m	S	Petworth	1/2	N

RAINFALL at Pelworth Park GardensCounty of SussexObserver Mr. E. H. PullRiver Basin Arun 21926 F. Street for
Lord Leconfield

Rain Gauge, by _____

Lord Leconfield

Diameter ...	5											
Height	1	0										
Altitude ...	182											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1931	Total
January ...	5.42	4.01	4.71	2.17	2.93	5.04	5.78	2.15	6.19	1.37	5.63	45.40
February ...	5.3	2.9	3.79	6.59	6.1	6.00	2.55	5.22	2.05	.97	1.14	27.74
March	2.27	1.39	2.76	2.82	2.17	.31	.38	3.54	2.77	.04	1.47	19.92
April.....	3.42	.91	4.04	3.57	3.56	3.40	3.31	2.75	2.00	.73	2.32	30.01
May	1.10	2.47	.75	2.99	4.54	4.69	2.76	3.35	1.64	2.45	1.82	28.56
June	1.59	.05	1.56	.36	3.26	.08	2.94	2.77	2.29	2.36	.51	17.77
July	5.78	.24	5.56	.71	3.56	3.43	1.19	2.81	1.75	1.52	2.16	28.71
August	1.60	1.96	2.80	2.14	2.78	4.09	1.47	4.97	2.78	2.49	3.42	30.50
September...	3.13	.92	2.35	2.09	5.01	3.18	.94	6.51	1.02	.39	3.48	29.02
October.....	1.96	.66	1.20	7.23	4.75	5.21	2.61	3.41	7.84	4.77	1.71	41.35
November...	2.29	2.30	2.58	1.81	3.03	4.69	8.13	3.54	3.61	9.11	5.94	47.03
December...	4.79	2.07	5.33	4.40	7.03	4.69	.31	4.85	3.69	9.84	3.92	50.92
TOTALS...	33.88 D	17.27 D	37.43 D	36.88 D	43.23 D	44.81 D	32.37 D	45.87 D	37.63 D	26.04 D	33.52 D	398.93 D

1920 Hedge 6 ft high 30 ft E

1925 New Hedge 8 ft 10 ft E

36 S. O. 1

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
1920	50° 59'	0° 57'	Pelworth	12 mi	S	Pelworth	360 yds	N

RAINFALL at Petworth Park GardensCounty of SussexObserver Lord LeconfieldRiver Basin Arun 2Type of Gauge N.O.Annual Average 33.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S.

753066/27.

Diameter	5												
Height	10												
Altitude	182												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Months	
January	3.26	4.71	2.76	2.91	.82	6.52	7.83	4.64	6.33	3.17	42.95		
February	2.47	.47	4.50	.05	3.84	3.44	6.46	.73	1.89	2.76	26.61		
March	.61	1.89	4.34	3.29	.50	1.82	5.21	.42	1.55	3.92	33.55		
April	3.55	2.73	.89	2.51	3.76	2.18	2.91	.02	2.40	1.66	22.61		
May	3.16	4.26	2.27	.61	.80	.35	2.39	2.24	1.44	.97	18.49		
June	1.70	2.28	1.46	1.22	4.19	3.58	.97	.72	1.37	.95	18.44		
July	4.14	4.47	1.82	1.58	.84	4.51	.90	2.37	3.52	3.15	27.30		
August	5.27	.97	.60	2.34	3.16	4.5	2.18	1.49	1.88	.22	18.56		
September	2.25	2.40	3.40	2.79	4.10	2.86	1.68	2.47	.73	1.36	24.04		
October	.55	7.67	1.71	1.58	5.02	1.29	3.36	4.62	5.92	5.02	36.74		
November	5.04	1.86	.71	4.40	9.38	6.49	2.37	5.09	6.39	9.79	52.02		
December	1.05	1.03	.89	9.28	5.92	3.32	5.04	4.64	2.22	2.01	35.40		
TOTALS	33.05	34.74	25.35	32.56	42.33	37.31	41.30	29.45	35.44	34.98	346.71		

1932. Hedge 8' high 87° E. Wall 15' high 30 yds N. Wall 15' high 30 yds S. Wall 15' high 60
 Inspected 5/1/35:- Gauge & measure both in good condition. Temporary site rather sheltered. Recommended to W.
 that gauge be set up in site selected by Mr. Gascoigne outside gardens gauge should be read every morning.
 11/35 Gauge set up in site selected but inspection.

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
1932			Petworth	1 3/4 m	S.	Petworth	1/4 m.	N.E.

Station No. 451**RAINFALL** at Petworth Park, Sussex

41

County of SussexObserver John F. SteeterRiver Basin DownJohn F. SteeterType of Gauge M.O.Annual Average 33.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 753065/87

Diameter	5"			318	908							
Height	1' 0"				1							
Altitude	182' ^x	250'			41							Total
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.36	3.47	7.57	2.74	1.90	3.49	3.88	6.15	1.23	1.01	34.80	23.79
February	4.10	.61	2.11	.51	2.63	3.00	2.39	1.73	2.04	7.45	26.57	19.12
March	3.60	2.89	.64	.32	1.78	1.37	7.60	1.12	1.21	2.04	22.57	20.53
April	1.70	2.43	1.37	1.81	1.15	2.26	2.82	2.13	1.76	2.54	19.97	17.43
May	2.43	3.97	4.21	.94	1.80	3.34	1.32	2.76	2.56	1.00	24.33	23.33
June	2.00	.24	1.21	1.81	2.31	3.07	2.61	2.72	.61	1.23	17.81	16.58
July	3.09	1.90	1.65	2.68	7.48	1.59	1.75	1.22	.19	3.03	26.58	21.55
August	4.10	3.98	1.33	2.13	2.54	6.65	.67	3.79	1.68	2.57	21.44	26.87
September	.24	3.54	1.49	2.34	2.32	4.72	1.18	2.52	1.32	3.44	23.11	19.67
October	.74	4.36	4.26	4.06	4.66	.98	.67	1.64	9.36	.26	30.99	30.73
November	4.54	1.81	1.96	6.48	.20	7.04	1.32	1.75	4.47	6.98	36.55	29.57
December	3.20	4.56	2.92	3.45	4.85	4.45	2.79	5.47	1.84	2.14	35.61	33.53
TOTALS	33.10	33.76	30.72	29.27	33.62	41.96	29.00	33.00	28.27	33.69	326.39	326

x alt. confirmed by obs in reply to query.

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.
1943			Petworth	1/2 m	S	Petworth	840*	NE

BRITISH RAINFALL ORGANIZATION

Station No. 456**RAINFALL at** PETWORTH PARK GARDENS

51

County of SUSSEXObserver LORD LECONFIELD
GARDNER F. STREETERRiver Basin ARUN - 2Type of Gauge M.O.Annual Average 33.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S
34.65 " " " " 1916-1950 1916-1950 30.66/27 PFile No. 253066/27

Diameter ...	5"	MARK		318	908						
Height ...	1'0"	6			1						
Altitude ...	250	NOT PUNCH			51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Total Means
January ...	4.56	3.09	1.20	2.13	4.09	5.31	3.64	4.76	4.22	3.99	36.99
February ...	7.47	.90	1.69	2.61	2.01	.24	5.65	2.83	.01	8.95	27.36
March ...	(5.70)	3.08	.46	3.78	1.69	.56	1.32	2.86	3.08	2.08	24.01
April ...	(2.30)	3.06	2.43	.46	.32	1.56	.37	.64	3.32	0.87	15.89
May ...	(5.00)	2.65	2.49	3.06	4.52	.25	1.02	3.55	.86	1.30	22.70
June ...	(2.90)	1.50	2.13	4.12	2.48	2.65	1.51	3.81	.91	2.57	24.58
July ...	(1.70)	.69	3.68	3.37	.60	4.04	4.22	2.05	.88	4.32	25.75
August ...	(6.30)	2.18	2.34	3.29	.84	4.32	3.79	3.37	2.56	5.71	34.14
September ...	3.36	3.16	4.35	2.78	1.94	4.69	3.66	5.95	.05	4.35	34.29
October ...	1.70	5.00	3.72	2.62	4.16	1.29	2.05	3.06	2.82	9.34	35.76
November ...	9.10	4.45	2.09	8.50	2.63	.69	3.61	2.21	4.89	7.05	45.22
December ...	4.77	3.18	1.19	3.98	4.64	6.56	3.18	4.66	9.52	4.79	46.50
TOTALS ...	(52.90)	INC 32.94	27.77	40.70	29.94	32.16	34.02	39.75	32.56	50.32	373.13
	MP	D	D	D	D	D	D	D	D	D	D

1951 NP incomplete; Pet Park - Arun basin no reliable & actual fall. A standard make it occur for this. 1952 60 Bull samples.

(1951) - estimates for purposes of working maps for Survey 1916-1950 Feb. 8/53

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 54(4)975217

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
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓