

RAINFALL AT *Belson's Hill, Wetherham*

80

Lat. _____

Lon. _____ County of *Hunt*

Rain Gauge, by _____

Observer *D. Latham, Esq. C. C.*

5 - Daunt

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>811</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>1.46</i>	<i>1.73</i>	<i>2.16</i>	<i>2.77</i>	<i>3.20</i>	<i>2.52</i>					
February	<i>2.85</i>	<i>3.53</i>	<i>2.14</i>	<i>4.14</i>	<i>2.16</i>	<i>3.67</i>					
March	<i>.96</i>	<i>2.45</i>	<i>1.43</i>	<i>.97</i>	<i>1.95</i>	<i>1.70</i>					
April	<i>2.38</i>	<i>.75</i>	<i>3.09</i>	<i>1.73</i>	<i>1.69</i>	<i>2.11</i>					
May	<i>.51</i>	<i>1.03</i>	<i>1.38</i>	<i>2.28</i>	<i>.87</i>	<i>3.67</i>					
June	<i>3.34</i>	<i>1.95</i>	<i>2.67</i>	<i>1.18</i>	<i>1.25</i>	<i>1.33</i>					
July	<i>4.48</i>	<i>1.68</i>	<i>3.74</i>	<i>2.39</i>	<i>1.89</i>	<i>.21</i>					
August	<i>1.22</i>	<i>4.36</i>	<i>2.05</i>	<i>.83</i>	<i>1.68</i>	<i>1.73</i>					
September	<i>5.49</i>	<i>3.03</i>	<i>3.12</i>	<i>3.28</i>	<i>4.07</i>	<i>5.31</i>					
October	<i>7.43</i>	<i>3.32</i>	<i>7.07</i>	<i>2.55</i>	<i>1.81</i>	<i>4.49</i>					
November	<i>3.83</i>	<i>4.37</i>	<i>3.59</i>	<i>5.80</i>	<i>1.14</i>	<i>4.00</i>					
December	<i>4.04</i>	<i>3.30</i>	<i>3.28</i>	<i>1.05</i>	<i>3.66</i>	<i>1.62</i>					
TOTALS	<i>36.99</i>	<i>31.50</i>	<i>35.72</i>	<i>28.97</i>	<i>25.37</i>	<i>32.36</i>					

RAINFALL AT Westerham Bottom Hill

Lat.

Lon.

County of W Kent

Rain Gauge, by

Observer. Met. Water Board

5- Daint.

Diameter ..									5		
Height									0 7		
Altitude ..									820		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..									1.79	1.29	
March									1.75	.77	
April									3.17	3.85	
May									2.68	1.93	
June									2.57	1.49	
July								#	2.08	3.97	
August								1.12	4.11	4.06	
September..								2.49	4.38	2.59	
October....								.80	1.86	4.12	
November ..								3.91	1.97	7.01	
December ..								2.57	1.37	1.37	
								3.49	2.81	4.69	
TOTALS ..									30.54	37.14	

glass (used for 6 mos) RAINFALL at Tatsfield Bottom Hill
only 21.8.19

01 .014 County of Kent Observer Met. Water Board
10 .108
20 .206
30 .303
40 .410 River Basin James Darnley 5
50 .512

Japaned copper Rain Gauge, by Hudson Bros.
500, 494, 495, 497 min scales

Diameter ...	5												
Height	0	7											
Altitude ...	820 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTAL MEANS 1916-19		
January ...	2.72	1.83	6.46	4.10	1.22	4.25	2.42	1.82	3.81	4.73	42.78		
February ...	4.79	2.20	2.74	1.18	4.95	4.64	4.84	.95	1.75	3.02	10.56		
March	1.49	2.45	4.44	3.48	6.30	.80	5.63	1.95	1.08	4.08	12.74		
April	2.43	2.79	.15	4.10	1.52	1.75	2.16	2.18	3.25	3.35	10.94		
May	3.31	1.53	1.08	1.19	1.91	3.35	2.96	1.90	2.49	.18	7.53		
June	2.67	2.37	3.36	.56	1.13	.69	3.36	2.28	1.28	1.21	8.13		
July	3.21	.43	1.91	1.96	1.88	4.63	1.31	4.86	5.11	2.24	13.62		
August	2.55	.74	6.62	1.72	1.49	3.30	2.88	6.95	1.50	2.73	14.06		
September ..	.97	1.79	3.50	1.78	1.21	2.72	1.64	2.50	5.92	2.20	12.26		
October ...	3.43	5.08	3.61	4.98	2.06	2.58	5.07	5.07	2.41	.94	13.49		
November ...	4.13	6.46	3.42	4.62	4.81	3.63	5.69	2.24	2.38	2.12	12.43		
December ...	4.60	6.99	4.10	1.91	9.00	7.03	3.50	2.48	3.35	5.50	14.83		
TOTALS ...	36.30	34.69	41.39	31.58	37.48	39.37	41.46	35.18	34.33	32.30	143.27		

+ 21. V. 15 C. Shelled enclosure - trees on NE & SE. Fairly, but not too open on S. Ground slopes down about 6 ft in 12 ft SE & SW but not quite so excellent when Res. is completed. Recommended as a good place.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Latesfield Pictsons HillCounty of KentObserver Met. Water Board & MalhuishRiver Basin Thames - Darent 5-

(2) ^{RA} Japanned Copper Rain Gauge, by Hudson Bros.
 5 in above rock enclosed 18 in high
 4.5 ft. wide. Hand inside moved in
 2 ft. of time before kept down (21)

4.95
 5.00
 4.96
 5.00

Glass in error at .40 in
 by .006 but will pass .03.

K. 25 Standard No. 2 3667 and sub-st.											
Diameter ...	5										
Height	0.7										
Altitude ...	820										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
39.08 January ...	3.80	3.39	4.14	2.11	3.51	3.69	4.17	3.15	5.92	1.39	3.81
28.06 February64	.48	3.12	4.25	1.03	4.87	3.53	5.77	2.12	.66	1.59
21.49 March	1.57	1.94	2.50	2.83	1.59	1.48	.59	4.22	2.91	.05	1.81
33.14 April	3.57	1.81	4.10	2.87	4.91	3.10	5.25	2.23	2.29	1.10	1.91
27.00 May	1.08	1.54	1.46	3.51	4.34	3.09	1.75	1.47	2.45	2.38	3.93
22.70 June	2.27	.28	2.00	.78	2.68	.23	4.09	4.52	3.70	1.48	.67
37.14 July	5.20	.33	3.76	3.40	6.11	4.41	2.29	3.27	2.14	2.30	3.90
35.54 August	1.99	1.91	3.55	2.55	4.51	2.10	3.89	5.83	3.26	2.65	3.30
32.63 September...	4.36	1.26	2.66	2.30	5.61	3.92	1.18	5.86	.73	.23	4.52
39.77 October	1.48	1.37	1.53	7.56	4.38	4.70	3.80	2.78	5.43	4.28	2.16
44.50 November...	1.80	1.88	2.36	2.42	4.33	3.60	7.61	3.61	3.51	7.89	5.49
43.70 December...	3.40	2.20	4.58	3.21	4.94	4.45	.83	5.43	4.14	7.74	2.75
404.75 TOTALS...	31.16	18.39	35.76	37.79	47.94	39.64	38.98	48.14	38.96	32.15	35.84
36.85	2	2	2	2	2	2	2	2	2	2	2

Inspected 25.5.21. Site is tolerable but ground lumpy. Ash & Elm etc must be watched. New snowden recommended.
 Inspected 3/12/23. Snowden g. would be especially desirable here. Rim of g. is slightly dented.
 Inspected 12.8.25. S. is 5 in. above ground but in corner of reservoir & rather exposed to S. It would have been better if placed about centre of reservoir or about centre of triangle formed by the two paths from gate to reservoir bank.
 Inspected 11/5/27 see grass fill

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Tatsfield (Betsoms Hill)County of Kent Observer Met. Water BoardRiver Basin Thames - Darent &c 5

Type of Gauge.....

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

55.3591/28.

Diameter	5											
Height	0 7		1 0									
Altitude	820											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TOTAL Means	
January	2.48	3.26	2.20	3.09	1.22	5.97	6.98	†	4.38	5.30	2.75	37.63
February	3.08	1.05	2.36	2.24	4.81	2.08	6.04	1.12	1.84	2.85	2.54	25.47
March	4.9	2.07	4.42	2.77	4.43	1.43	3.61	5.4	1.65	3.04	2.04	20.45
April	4.52	3.15	1.92	3.24	3.66	2.32	3.55	5.1	2.85	2.10	2.71	27.12
May	3.08	4.89	2.01	7.5	1.61	5.2	2.35	2.83	1.75	1.86	2.16	21.65
June	2.06	1.29	1.72	1.52	3.68	3.55	2.32	7.1	1.01	5.9	1.84	18.45
July	3.48	2.66	2.23	2.56	9.6	5.07	1.02	2.31	2.50	3.45	2.62	26.24
August	5.30	1.36	1.00	2.36	3.82	8.1	3.52	1.83	4.07	1.1	2.41	24.18
September	2.41	2.45	3.18	2.47	4.47	2.57	2.21	2.69	1.31	1.75	2.55	25.51
October	1.04	7.21	2.23	2.29	4.60	2.79	3.36	4.11	7.41	4.06	3.91	39.10
November	4.59	1.79	1.30	4.26	6.53	5.12	2.00	3.96	7.01	8.99	4.55	45.55
December	1.15	1.09	5.3	7.68	4.14	4.29	5.38	4.16	2.13	2.19	3.27	32.74
TOTALS	33.98	32.27	24.10	33.23	39.93	36.52	42.34	29.15	38.83	33.74	24.09	
	d.	d.	d.	d.	d.	d.	d.	d.	d.	d.	d.	

Inspected 1/3/34. Turf wall round gauge recommended

† Inspected 8/2/38 by Mr Bennell. Turf wall has been erected.

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 Direction from gauge	Parish Church.	Distance Direction from gauge

Station No. 381. ~~W.~~ T.F.RAINFALL at Walsfields (Belsons Hill) ✓

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County of KentObserver Met. Water BoardRiver Basin Thames, Parent, S.E. 5.

Type of Gauge

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

File No. 883891/28

Diameter	5"				290	116						
Height	1' 0"					1						
Altitude	820'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	TOTAL	Means
January	2.81	4.13	6.01	2.52	3.06	3.34	2.74	4.66	1.35	1.16	31.78	
February	3.87	1.22	2.41	1.19	2.33	3.08	2.06	2.71	1.54	5.37	25.78	
March	3.46	2.43	.43	.05	1.23	1.81	6.79	1.01	1.08	1.62	19.91	
April	1.93	1.88	1.44	1.72	1.41	3.22	1.95	1.84	1.96	3.71	21.06	
May	2.58	3.75	2.78	.50	2.59	3.82	1.77	2.02	1.93	1.26	22.90	
June	2.32	.21	1.43	2.06	2.10	2.76	2.92	3.92	1.09	2.81	21.62	
July	2.43	2.54	2.81	1.88	3.57	2.65	2.04	2.05	.82	2.92	23.71	
August	4.85	3.91	1.37	3.05	2.04	5.09	.22	5.94	1.62	2.74	30.83	
September	.78	2.84	2.62	3.40	2.18	3.79	1.49	2.14	.91	4.19	23.94	
October	1.56	4.08	3.20	5.21	4.05	1.40	.32	2.06	.90	.34	31.12	
November	3.56	2.14	2.20	5.56	.78	5.23	1.59	2.38	3.21	6.97	33.62	
December	3.21	3.57	2.19	2.47	3.94	3.49	3.18	4.80	2.28	2.57	31.70	
TOTALS	33.36	32.40	28.89	29.61	29.28	39.68	27.07	35.53	26.49	35.66	317.97	

§ Turf wall round gauge.

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.

RAINFALL at § TATSFIELD (BETSON'S HILL)Station No. 381

T.F. 86

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County of KENT Observer MET. WATER BOARD.River Basin THAMES - DARENT & C & SType of Gauge M.O. HLTAnnual Average 33.1 in. based on 11 years obs. not weighted. Period of average 1881 - 1915 Ref. P.O. 57834.57 " " " 35 " " 1916 - 1950File No. 55389/15 E. 346/16
E 22626/158

Diameter ...	5"				290	116						
Height ...	1' 0"					1						
Altitude ...	820'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	3.62	2.62	1.23	1.85	3.82	4.66	2.38	3.44	3.16	3.14	29.92	
February ...	7.03	1.03	1.72	2.60	2.18	.44	4.52	2.52	.15	2.39	24.91	
March ...	4.40	3.88	.47	3.17	1.68	1.23	1.65	1.56	1.93	2.0	21.98	
April ...	3.44	1.87	2.45	.44	.33	1.75	.10	1.32	2.25	0.88	14.83	
May ...	2.19	1.52	1.93	2.90	4.60	.61	1.85	1.95	1.17	2.09	20.81	
June ...	1.55	1.40	1.88	4.54	2.25	4.16	1.45	4.61	1.38	1.89	25.61	
July ...	2.47	0.80	4.40	3.81	.35	4.71	3.41	2.51	1.54	3.77	28.03	
August ...	5.70	4.72	2.04	3.62	.92	3.12	3.41	3.86	1.38	2.42	32.19	
September ...	2.87	3.45	4.06	2.99	2.46	2.98	3.10	5.94	.20	4.52	32.57	
October ...	1.38	3.51	4.34	2.93	5.23	1.67	2.16	3.63	3.54	6.88	35.27	
November ...	5.50	4.11	1.84	5.79	1.33	.92	3.07	2.05	2.87	5.90	33.38	
December ...	3.32	2.98	.97	2.05	2.78	4.31	2.64	3.19	5.84	2.94	32.02	
TOTALS ...	43.47	32.39	27.33	36.69	27.93	31.15	29.74	36.58	25.41	40.83	33.152	102B
	d	d	d	d	d	d	d	d	d	d		

Ins. 5/54. G. sound. Turfwall sound. Tree 55' high 60' N.E. Tree 61' high 70' east.
 10' drop 15' to west of g. Ground then slopes gently westwards.

WST. MAY 1958 160K. For info. Dr. O'Connell N-E, overcast to W. N. better sides available. Read
 Mon-Fri. probably not 100% month if falling on Sat. or Sun. Look in d. book
 Reported 12.10.60 by Millar. 0.5 N → SSE at 0.1 SSW → W but weather not available. Read only Mondays and
 Fridays. 0.4 45°-30°N → 60°-45°E → 65°-70°E → 35°-70°SSE

§ Turfwall

Position of Station on Ordnance One-Inch map: No. of Map. 171 National Grid Reference 51/430563

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
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓