

RAINFALL AT Chelmsford

ben.

Observer Frederick Chancellor

Rain } By .....

Gauge { .....

Diameter 8 in.Height above Ground 1 ft. in.Above Mean Sea Level 80.3 ft.Blackwater - 14.

YEAR.....									1868	1869	MEANS.
January.....									<sup>A</sup> 2.73	2.19	
February .....									1.06	2.33	
March .....									1.03	1.31	
April .....									1.26	1.24	
May .....									1.61	3.10	
June.....									.57	1.09	
July .....									.53	.30	
August .....									2.13	.88	
September....									1.82	2.77	
October .....									2.12	1.92	
November....									.79	2.54	
December .....									3.82	2.61	
TOTALS .....									19.67	22.28	

c c

RAINFALL AT *Chelmsford*

Lat.....

Lon.....

County of.....

*Essex*

Rain Gauge, by.....

Observer.....

*Frederick Chancellor Esq.**Blackwater - 11.*

Diameter.....	.6	.8									
Height.....	1.	1.									
Altitude.....		86.	86	$\pi$							
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.31	1.54	3.51	2.62	1.04	1.73	.88	4.49	1.32	2.36	2.080
February.....	.70	1.25	.77	1.94	.78	.72	2.22	1.81	1.26	2.89	1.434
March.....	1.59	1.17	2.58	.93	.47	.36	2.79	2.92	1.17	.81	1.479
April.....	1.32	2.20	1.33	.84	1.29	1.34	1.37	2.76	1.37	2.95	1.577
May.....	.85	1.06	3.30	.70	1.72	2.18	1.04	1.88	4.32	3.22	2.027
June.....	.33	2.51	2.06	2.20	1.84	5.03	1.59	.53	1.35	4.55	2.199
July.....	1.64	2.72	3.32	1.10	1.38	5.04	1.12	2.51	1.16	3.69	2.368
August.....	1.87	1.33	1.62	2.65	1.10	.80	1.48	2.54	5.12	3.75	2.226
September.....	2.19	4.35	1.13	2.16	2.04	2.51	2.94	.98	1.91	3.48	2.369
October.....	3.40	1.47	3.72	3.03	4.18	3.60	.91	1.85	1.97	.73	2.486
November.....	1.36	.70	2.77	2.27	1.97	3.79	3.17	3.31	3.59	1.12	2.405
December.....	2.81	1.11	3.26	.48	1.75	.82	5.51	1.84	1.11	1.25	1.994
TOTALS.....	18.37	21.41	29.37	20.92	19.56	27.92	25.02	27.42	25.65	30.80	24.144

1875 Gauge slightly sheltered all round

1878 Buildings on the sides of gauge within 4 or 5 yards &amp; varying from 6 to 15 ft in height

# RAINFALL AT *Chelmsford*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Essex*

Rain Gauge, by \_\_\_\_\_

Observer *F. Chancellor, Esq.*

*Blackwater - 14*

Diameter ....	<i>8</i>											
Height .....	<i>1.0</i>											
Altitude ....	<i>867</i>											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	<i>.15</i>	<i>1.32</i>	<i>.94</i>	<i>1.63</i>	<i>2.00</i>	<i>1.26</i>	<i>2.99</i>	<i>1.17</i>	<i>.92</i>	<i>.68</i>	<i>1.306</i>	
February ....	<i>1.50</i>	<i>2.36</i>	<i>1.05</i>	<i>2.93</i>	<i>1.23</i>	<i>2.51</i>	<i>.15</i>	<i>.49</i>	<i>1.66</i>	<i>2.02</i>	<i>1.590</i>	
March .....	<i>.72</i>	<i>1.76</i>	<i>.97</i>	<i>.80</i>	<i>1.58</i>	<i>1.32</i>	<i>1.13</i>	<i>1.16</i>	<i>2.79</i>	<i>1.61</i>	<i>1.404</i>	
April .....	<i>1.53</i>	<i>.56</i>	<i>2.32</i>	<i>1.84</i>	<i>.83</i>	<i>1.53</i>	<i>.90</i>	<i>1.19</i>	<i>1.68</i>	<i>1.93</i>	<i>1.433</i>	
May .....	<i>.67</i>	<i>.63</i>	<i>1.14</i>	<i>1.86</i>	<i>.60</i>	<i>1.88</i>	<i>2.23</i>	<i>1.32</i>	<i>.80</i>	<i>3.20</i>	<i>1.403</i>	
June .....	<i>3.00</i>	<i>1.85</i>	<i>2.20</i>	<i>2.45</i>	<i>.94</i>	<i>1.46</i>	<i>.25</i>	<i>.44</i>	<i>2.34</i>	<i>1.40</i>	<i>1.633</i>	
July .....	<i>5.24</i>	<i>1.72</i>	<i>2.96</i>	<i>2.06</i>	<i>2.47</i>	<i>.48</i>	<i>2.40</i>	<i>1.27</i>	<i>3.41</i>	<i>1.67</i>	<i>2.368</i>	
August .....	<i>.50</i>	<i>3.94</i>	<i>1.77</i>	<i>.64</i>	<i>.57</i>	<i>3.20</i>	<i>1.38</i>	<i>1.60</i>	<i>4.13</i>	<i>2.63</i>	<i>2.036</i>	
September....	<i>2.63</i>	<i>1.94</i>	<i>2.57</i>	<i>2.71</i>	<i>2.14</i>	<i>4.09</i>	<i>.90</i>	<i>1.95</i>	<i>.96</i>	<i>2.50</i>	<i>2.239</i>	
October .....	<i>6.26</i>	<i>3.03</i>	<i>5.60</i>	<i>2.43</i>	<i>1.57</i>	<i>3.47</i>	<i>1.94</i>	<i>1.34</i>	<i>1.28</i>	<i>3.88</i>	<i>3.080</i>	
November....	<i>2.37</i>	<i>2.39</i>	<i>2.80</i>	<i>3.00</i>	<i>.96</i>	<i>2.61</i>	<i>2.46</i>	<i>3.80</i>	<i>3.85</i>	<i>1.18</i>	<i>2.542</i>	
December ....	<i>2.62</i>	<i>3.00</i>	<i>2.76</i>	<i>.51</i>	<i>2.69</i>	<i>.60</i>	<i>3.62</i>	<i>1.26</i>	<i>1.10</i>	<i>1.20</i>	<i>1.976</i>	
TOTALS ....	<i>27.21</i>	<i>24.50</i>	<i>27.08</i>	<i>22.96</i>	<i>17.58</i>	<i>24.61</i>	<i>20.35</i>	<i>16.99</i>	<i>24.92</i>	<i>23.90</i>	<i>23.010</i>	

20289

*1880. St. Mary's, 400 feet - N.W.*

*Buildings 6ft to 15ft. high 12ft to 15ft. distant N, E & S.*



# RAINFALL AT

Chelmsford High Street

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Essex

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

F. Chancellor Esq

Blackwater - 14.

Diameter ....	8											
Height .....	10											
Altitude ....	86 ft											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEAN.	
January ....	2.01	1.39	.48	1.30	2.28	1.64	.62	1.98	.81	1.93	1.444	
February ....	1.12	.00	2.42	2.62	1.07	.08	.64	2.39	.83	1.59	1.276	
March .....	2.16	1.74	1.08	.30	.62	1.14	3.04	3.49	1.45	.85	1.587	
April .....	1.11	.53	1.21	.08	1.26	.73	.49	1.68	1.26	2.26	1.061	
May .....	1.83	1.71	.87	1.03	1.30	.33	.17	.84	1.98	1.39	1.145	
June .....	2.36	1.08	2.64	.45	1.72	.29	3.24	3.33	2.08	1.70	1.889	
July .....	4.05	3.65	1.27	2.78	2.59	3.72	.63	.56	.77	3.21	2.323	
August .....	2.62	2.89	3.52	1.96	1.71	1.93	3.32	2.30	.97	1.19	2.241	
September ....	.62	.44	2.22	.90	2.40	.85	5.23	2.48	.30	2.55	1.799	
October .....	1.15	3.77	4.05	2.80	2.63	1.65	2.68	.67	2.54	2.11	2.405	
November ....	2.02	1.58	2.09	2.19	2.97	2.21	1.20	1.05	2.03	3.27	2.061	
December ....	.83	2.75	1.31	1.76	1.60	2.88	2.90	2.21	2.25	1.42	1.991	
TOTALS . . .	21.88	21.53	23.16	18.17	22.15	17.45	24.16	22.98	17.27	23.47	21.222	

1890 St Mary, Chelmsford 400 ft. N W  
 Buildings 6 ft high 12 ft three sides  
 15 " 15 " 15 " 15 "

# RAINFALL AT Chelmsford High Street

Lat. ....

Lon. ....

County of Essex

Rain Gauge, by N 3

Observer F. Chancellor Esq

Blackwater - 14.

Diameter ..	8										
Height ....	10										
Altitude ..	86 $\pi$				92						
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.77	.87	.54	1.76	2.00	1.18	3.41	.93	.81	.82	1.509
February ..	3.14	.99	.96	.78	2.54	.78	2.17	.85	1.34	.94	1.449
March ....	.97	2.22	1.57	1.99	1.76	3.37	1.49	.85	2.09	3.21	1.952
April .....	.78	1.67	.40	1.75	.83	1.98	.99	2.34	2.51	1.85	1.510
May .....	.88	1.02	2.76	1.78	1.53	.92	1.32	2.01	2.15	1.13	1.550
June .....	1.93	1.10	3.56	5.70	1.02	2.51	1.77	2.08	.92	3.65	2.424
July .....	.78	2.25	1.18	5.82	1.65	.67	.95	1.76	2.90	3.26	2.122
August ....	2.47	1.56	3.17	3.89	2.40	1.77	.57	1.32	3.26	2.36	2.277
September ..	.89	1.24	1.07	2.07	.95	1.28	1.51	.51	1.54	2.73	1.379
October ....	1.54	2.30	1.71	4.74	1.11	1.25	4.10	3.23	1.35	4.07	2.540
November ..	1.71	.70	1.61	2.01	1.42	2.71	3.90	2.16	1.15	1.22	1.859
December ..	2.23	3.58	1.13	1.46	1.85	.77	2.01	2.69	2.13	3.00	2.085
TOTALS ..	20.09	19.50	19.66	33.75	19.06	19.19	24.19	20.73	22.15	28.24	22.656

1900 St Marys Chelmsford 400 ft N.W.

Buildings 6 ft high 15 ft N.E.+S

1903 Chelmsford Station 1400 ft N.W.

1904 Nov. 8<sup>th</sup> Gauge moved 630 yards S.W.

St Johns Church 343 yards S

Chelmsford Station 750 - N

1905 Hedge 10 ft high 12 yards N

Home 20 - - 10 - E

Here 20.25 - - 28+23 - S + E

H.W.

RAINFALL at Chelmsford High StreetCounty of EssexObserver F. Chancellor EsqRiver Basin Blackwater 4Wm F. G. Chancellor (?)Rain Gauge, by Nº 3

Diameter ...	8										
Height .....	1.0										
Altitude ...	92 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.37	1.08	2.41	2.83	.64	2.59	1.28	1.25	2.43	2.96	
February ...	2.26	1.00	1.36	.72	2.15	3.07	3.48	.61	.80	2.65	
March .....	.99	1.90	2.64	1.71	3.93	1.29	3.48	1.67	.93	2.44	
April .....	1.34	1.13	.10	2.58	.86	.77	1.04	1.78	2.84	3.72	
May .....	3.04	1.15	.80	1.74	1.35	2.27	1.51	2.94	1.23	.61	
June .....	1.96	1.75	2.78	2.22	1.61	.65	2.02	.63	.83	1.46	
July .....	1.64	.45	2.01	1.61	2.32	4.22	.96	3.71	5.09	2.32	
August .....	2.63	.54	3.59	.81	1.00	2.85	3.47	3.39	1.50	1.97	
September ..	.98	1.39	2.47	1.03	1.04	2.06	1.15	1.04	3.69	1.32	
October ...	1.56	3.00	1.81	3.34	1.23	1.59	3.12	3.71	1.84	.88	
November ..	3.26	3.52	1.85	2.62	2.86	2.86	4.60	1.95	2.00	1.58	
December ...	3.34	3.84	2.61	.67	5.89	4.48	2.80	1.39	1.85	3.21	
TOTALS ...	24.37	20.75	24.43	21.88	24.88	29.00	28.86	24.07	25.03	25.12	24.89

1910 H. Lys 10 ft high 12 yds N  
 from 20. 10. E  
 also 20-25. 23-25. S+W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Chelmsford	172 750 yds	N	St John's St Mary's Cathedral	350 yds	S



RAINFALL at Chelmsford, High Street HaverleyCounty of EssexObserver Wm. F. ChancellorRiver Basin Blackwater 4(1925) M.O. Rain Gauge, by \_\_\_\_\_

Diameter ...	8										
Height .....	1 6										
Altitude ...	98										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 <del>1931</del>
January ...	2.43	2.08	2.96	1.25	2.89	1.53	2.49	1.66	3.00	1.50	1.80
February ...	.45	.22	2.17	2.81	.74	2.31	2.66	3.82	1.24	.45	.72
March .....	1.17	1.28	1.42	1.65	.80	.89	.24	2.01	2.40	.05	1.45
April .....	3.36	1.73	2.47	2.05	3.12	1.18	4.57	1.86	1.03	1.98	2.17
May .....	2.55	1.20	1.04	1.64	4.38	2.37	1.05	1.09	1.79	1.80	2.21
June .....	.97	.18	1.57	.82	1.60	.50	2.79	2.72	2.15	.83	.54
July .....	3.26	.32	2.45	1.73	3.33	3.98	2.18	2.59	1.92	1.86	3.17
August .....	1.93	1.79	2.08	(1.80)	2.42	2.59	.96	3.69	2.84	1.52	2.70
September...	3.71	1.29	2.49	1.89	2.40	3.04	.82	2.95	.74	.81	3.67
October .....	.83	1.23	1.09	4.85	3.79	2.86	2.71	1.87	3.39	2.48	1.22
November...	.47	1.70	1.42	2.42	3.65	1.82	3.16	2.28	1.70	4.89	4.52
December...	2.39	1.34	2.34	2.08	3.03	2.46	.52	2.91	3.29	4.40	2.07
TOTALS...	23.52	14.36	23.00	(24.99)	32.15	25.53	24.15	29.45	25.49	22.87	26.24
	D	D	D	D	D	D	D	D	D	D	D

1920. Some trees  
 1923. Aug. 24<sup>th</sup> computed from aux. obs.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_

Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.			Chelmsford	3/4	NE	Chelmsford	1/2 m	E
1923			"	2	NW	Chelmsford		

RAINFALL at Chelmsford (High Street)County of EssexObserver Miss ~~E~~ ChancellorRiver Basin Blackwater - 4

Type of Gauge

Annual Average 22.5 in. based on 35 years obs. un-weighted. Period of average 1881/1915 Ref. B of N.

855820/23

Diameter	8.										
Height	1.6.										
Altitude	98.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.35	1.25	2.10	1.65	1.64	5.33					
February	2.02	.37	.55	2.24	1.97						
March	.28	1.32	2.13	2.61	.96	78					
April	3.71	2.28	2.10	1.86	1.81	1.52					
May	3.12	4.75	1.20	.68	1.09	.82					
June	1.21	.55	1.27	1.56	3.75	3.28					
July	3.62	2.26	.91	1.50	1.36	(3.15)					
August	4.47	1.32	.39	1.59	.90	.67					
September	1.97	2.31	2.19	1.29	4.55	3.22					
October	.71	5.20	1.50	1.69	3.18	1.76					
November	1.98	1.37	1.47	1.76	5.16	(4.03)					
December	.80	.54	.63	4.89	2.77	(2.27)					
TOTALS	26.24	23.62	17.44	21.33	29.44	(28.80)					

Unable to continue owing to ill health.

1936. Wrote asking for form to be sent for 1936 records; back you 1932-35 incl. 14/1/36.

Record T owing to ill health. see f 855820/28 End 16 A.

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
1931				1 mile		3 1/2 mile