



RAINFALL at Newendon Pumping StationCounty of EssexObserver Southend W.W. Co

E.C. Pitham

River Basin Crouch

3

Snoden

Rain Gauge, by

N 47

G.D. 5 miles

Diameter ...	5											
Height .....	10											
Altitude ...	43 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	67
January ...	.88	1.03	2.77	2.98	.47	3.33	.93	1.13	2.68	2.69	18.89	7.43
February ...	2.22	.99	1.30	.51	1.56	2.37	3.45	.48	.63	2.80	16.31	7.36
March .....	.80	2.11	2.34	2.01	3.88	1.09	3.37	1.64	.83	2.92	20.99	8.70
April .....	1.06	1.18	.07	2.54	.89	.73	1.99	1.19	2.09	3.27	15.01	8.54
May .....	2.73	.92	.66	1.47	1.45	2.17	1.34	2.51	1.33	.25	14.83	5.43
June .....	2.11	1.83	3.61	.63	.80	1.04	1.64	.61	.76	1.20	14.23	4.21
July .....	1.73	.33	1.73	1.47	1.05	2.49	.87	4.14	6.98	1.68	22.47	13.57
August .....	1.45	1.46	2.87	.94	1.13	2.90	2.90	3.49	.97	1.80	19.91	9.16
September ..	.85	1.02	2.67	.84	.60	2.40	.96	.92	3.66	.72	14.64	6.26
October ...	1.67	2.72	1.70	3.68	1.30	1.86	2.14	2.24	2.00	.48	19.79	6.86
November ..	3.32	4.37	1.57	2.89	2.20	2.90	3.79	1.44	1.90	1.77	26.15	8.96
December ...	2.84	3.04	2.49	.86	5.29	4.92	1.80	1.49	2.13	3.08	27.94	8.50
TOTALS ...	21.66	21.00	23.78	20.82	20.62	28.20	25.18	21.28	25.96	22.66	231.16	95.08
	P	P	P	P	P	P	P	P	P	P imp		

1915 Engine A 25 ft high 30 yards SW  
 1910-15 Daily values and volume, shelf CH, R. 14.

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.35	0.31	Wickford	1 3/4 m	N	Newendon	3/4 m	W

RAINFALL at *Newendon Pumping Station*

County of Loose.

Observer. Smith W W G.

River Basin *Amelg*

Shawnee Rain Gauge, by No. 3  
C. W. Dr. Hill

good condition (22)

Diameter ...	5											
Height .....	1	0										
Altitude ....	43											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<u>MEANS</u> 1920	
January ...	2.16	2.59	2.85	1.02	2.32	1.24	1.93	.95	2.94	.78	1.60	20.87
February ...	.30	.36	1.63	2.74	.44	2.02	2.35	3.09	1.03	.72	.72	15.40
March .....	.43	.51	1.34	1.39	.48	.97	.16	1.57	1.87	.00	1.08	9.8
April.....	3.16	1.23	2.45	1.38	2.40	.92	4.28	1.34	1.40	.88	1.67	21.11
May .....	.34	.96	.79	1.68	2.95	1.71	1.08	1.14	2.00	1.39	2.68	16.72
June .....	.90	.25	1.07	.60	1.61	.29	2.94	2.73	2.50	.76	.20	13.85
July .....	2.85	.11	2.19	.83	3.27	3.33	2.01	2.67	1.40	1.21	2.10	21.97
August .....	1.39	.53	1.75	1.52	1.97	2.17	.79	3.11	3.75	1.54	2.11	20.62
September..	3.67	1.43	2.11	1.29	2.04	1.88	.56	3.28	.50	.16	2.44	9.36
October.....	.90	.84	1.56	4.07	3.21	2.89	2.72	1.25	2.82	2.19	1.14	22.69
November...	.60	(1.60)	1.61	2.22	3.39	1.51	3.75	2.35	1.87	4.48	3.75	27.12
December...	3.08	.88	2.02	1.93	2.30	2.60	.49	3.08	2.64	3.25	1.68	23.9
TOTALS...	19.77	(11.29)	21.37	20.67	26.48	21.53	23.06	26.56	24.72	17.36	21.17	233.82

1920. Eugene Home 25 ft. high 30 yds. SW

1921. Nov. partly est. from maps.

Inspected, Clinton 25.VII.22 exposure excellent - but grass needs cutting  
which will be done.

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

No. of Map.....

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

[illegible]



RAINFALL at Nevendon Pumping StationCounty of EssexObserver Southend Water Works Co.River Basin Crouch - 3Type of Gauge SnowdonAnnual Average in. based on years obs. un-weighted. Period of average Ref.20.5 computed by M. Cornish (1933) Ref. 561245/36 660610/26

Diameter	5.										
Height	1.0.										
Altitude	43.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.03	.93	.97	1.80	1.28	3.34	3.09	2.53	3.68	1.51	1966
February	1.47	.24	.70	.15	2.21	1.38	3.68	.66	1.00	1.46	1295
March	.27	1.16	1.34	2.14	.73	.92	2.40	.61	1.49	2.73	1379
April	3.53	1.69	.77	1.87	2.75	1.18	2.42	.62	2.14	1.62	1859
May	2.68	2.88	1.54	.40	1.26	.81	2.79	1.21	1.65	.92	1614
June	1.00	.59	1.41	1.35	2.21	2.71	3.13	.82	.94	.47	1463
July	2.45	2.30	1.84	2.28	.33	2.72	1.65	1.49	1.41	3.37	1984
August	3.71	1.28	.44	1.29	2.41	.57	.66	2.67	3.14		1617
September	.75	1.49	2.15	1.83	3.09	2.15	1.30	2.23	.63	1.19	1681
October	.39	4.97	1.23	1.65	2.67	1.68	1.45	2.05	7.39	2.10	2558
November	1.52	.80	1.30	1.17	4.03	3.08	1.43	1.69	3.77	5.82	2461
December	.49	.26	.36	3.61	1.86	1.42	3.77	2.23	1.36	1.27	1663
TOTALS	19.29	18.59	14.05	19.04	24.83	21.96	27.77	18.81	28.60	22.46	21540

1931 Engine House 25' high about 30 yds SW

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			Wickford	1 3/4	N	Nevendon	3 1/4	W

Station No. T.F. 1277

RAINFALL at Kingdon Pumping Station

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County of EssexObserver Southeast Water Works Co.River Basin Cheney - 3Type of Gauge ShowerAnnual Average 20.5 in. in. based on 1938 years obs. un-weighted. Period of average Ref." " 20.5 in. computed by Mr Cornish (1938) ref. 561245736 File No. 660610/26

Diameter	5"			235	391						
Height	1'0"										
Altitude	43'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.35	1.86	4.01	.77	1.55	1.05	1.41	2.90	1.11	1.30	18.31
February	1.25	.81	.92	1.05	1.27	1.71	1.04	1.28	.49	2.60	12.42
March	2.73	2.25	.32	.10	1.23	1.16	4.49	.73	.75	.76	14.52
April	1.12	.58	.97	1.61	1.00	2.19	1.01	1.19	1.46	1.48	12.61
May	1.08	1.92	1.45	.50	3.26	2.41	.67	1.88	1.72	1.73	16.62
June	.83	.03	1.49	1.21	1.12	2.32	2.52	1.57	.74	1.14	12.97
July	2.39	1.77	1.06	1.98	2.19	1.92	2.08	.98	.68	2.72	17.77
August	5.33	1.83	.96	2.66	1.94	3.83	.09	3.78	1.55	2.49	24.46
September	.20	1.49	1.46	2.27	.47	1.89	1.44	1.17	.85	2.44	12.68
October	1.19	3.00	1.44	2.93	1.45	1.36	.14	1.78	5.75	.39	19.48
November	2.02	1.73	1.25	3.71	.42	2.27	.76	1.84	2.19	3.93	20.11
December	1.44	1.99	1.45	.89	2.39	1.54	2.09	1.59	1.28	1.63	16.29
TOTALS	21.93	19.26	16.78	19.68	18.29	23.65	14.73	30.69	18.57	22.61	199.19

\* 1946. m.p. low.

1947. Gauge has been tested &amp; found to be in good condition and not leaking

New observations 1/48

\* 1947 m.p. low.

\* 1946 &amp; 1947 are not really low - compare Pitsea &amp; Billericay - W.D.B. 3/48.

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.

BRITISH RAINFALL ORGANIZATION

Station No. 1277 <sup>518</sup>  
**RAINFALL** at Nevedon (Pumping Station)  
 County of Essex Observer Southend Waterworks Co.  
 River Basin Grand. 3  
 Type of Gauge Snowdon

51

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

20.5 in. computed by Mr. Cornish (1938) Ref. 561245/36

File No. 660610/26

Diameter	21.25 in	based on 35 yrs 1916-1950	Period of obs. 1916-1950	Ref. P							
	5"	2.35	39.1								
Height	1' 0"										
Altitude	43'										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.72	1.65									
February	4.84	.98									
March	2.34	3.01									
April	2.84	1.04									
May	2.25	.78									
June	.96	2.37									
July	2.56	.63									
August	3.10	1.73									
September	2.67	3.54									
October	.88	2.21	#								
November	3.43										
December	1.51										
TOTALS	29.10	INC									
	W	NP									

1952 Terminated NP incomplete.

Position of Station on Ordnance One-Inch map: No. of Map ..... National Grid Reference TR 745907

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1934			Wickford	1 3/4 in	Nevedon	3/4 in W

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
	✓	✓	✓	✓ but not 46-47	
	✓ but d 16	✓ but d 20, 24	✓ but d 29.	-	