

RAINFALL AT Pitsea Pumping Station

Lat. _____

Lon. _____

County of Essex

Standard Rain Gauge, by N43

Observer Southern Waterworks Co.

Roding & C. 2.

E. C. Billham

Diameter ...										5	
Height										1.0	
Altitude ...										297	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										.81	
February ...										.81	
March										1.99	
April										1.50	
May .....										.97	
June										2.82	
July										3.14	
August										2.00	
September ..										2.11	
October ...										3.76	
November ..										.86	
December...										2.63	
TOTALS ...										23.40	

RAINFALL at Putea Pumping Station

1258 10

County of Essex

Observer Southend Water Works Company
E.C. Billham

River Basin Thames, Rodung & C 2

Snodden Rain Gauge, by N+3
At 27 mile

Diameter ...	5											
Height	1.0											
Altitude ...	29 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Totals	MEANS.
January ...	1.13	1.00	2.91	2.80	.52	2.89	.94	1.13	2.73	2.78	7.58	1916-19
February ...	2.23	.95	1.23	.57	1.58	2.46	3.04	.64	.71	2.11	6.50	
March .....	.79	1.91	2.03	2.02	4.03	.96	3.49	1.56	.99	2.89	8.63	
April .....	.98	1.18	.12	2.64	.84	.76	2.05	1.60	2.26	3.12	9.03	
May	2.61	.94	.58	1.38	1.52	2.00	1.44	2.07	1.22	.87	5.10	
June	3.02	1.96	3.80	.62	.99	1.13	1.38	.59	.81	1.41	4.19	
July	1.77	.43	1.42	1.69	1.35	2.46	1.10	4.48	5.59	1.88	13.05	
August	1.40	1.15	2.98	.89	.81	2.79	4.28	4.14	1.37	1.98	11.77	
September ..	.74	1.05	2.70	.90	.75	2.32	.92	.86	3.48	.73	5.99	
October ...	1.46	2.54	1.64	3.52	1.33	1.83	1.92	2.15	1.97	.70	6.74	
November ..	3.15	4.73	1.60	2.87	2.30	2.48	4.02	1.59	1.04	1.74	8.39	
December ...	2.65	2.90	2.43	.81	4.72	4.72	2.02	1.49	1.55	3.04	8.10	
TOTALS ...	21.03	20.74	23.34	20.71	20.74	26.80	26.60	22.30	23.72	22.45	95.07	

716 Eugene Ho 25 ft high 20 yards NE
1913-15 Daily values in bound volume, shelf C4, R-14.

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.34	0.30	Putea	1/2 m	E	Putea	1/2 m	ENE

RAINFALL at Pitsea Pumping StationCounty of EssexObserver London W.W. Co. E.C. BeckRiver Basin Chambers Roding No. 2London Rain Gauge, by N.G.Chas. Dr. Hill
Good condition (m)

Diameter ...	5												
Height	1	0											
Altitude ...	28												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN 1930	TOTAL	
January ...	1.99	1.77	2.66	.95	2.48	1.32	1.95	1.55	2.35	.87	1.67	19.56	
February ...	.33	.32	1.49	2.21	.62	2.18	2.90	3.01	1.34	.69	.82	15.91
March .....	.52	.85	1.15	1.29	.49	1.08	.13	1.61	1.79	.00	1.06	9.97
April	2.88	1.35	2.28	1.59	2.54	1.48	4.22	1.57	1.90	.86	1.82	22.49	
May .....	.55	.93	.98	1.50	3.08	2.03	.95	1.19	2.07	1.24	3.39	17.91
June	1.02	.21	.99	.63	2.03	.35	2.88	2.45	2.80	.92	.22	14.50	
July	3.26	.09	1.91	.69	3.03	3.65	1.88	2.65	2.00	1.29	2.19	22.64	
August	1.37	.72	1.61	1.56	2.09	2.31	.99	3.30	3.85	1.67	2.71	22.18	
September...	3.44	1.46	2.26	1.34	2.12	2.08	.59	3.51	.59	.14	3.17	20.70	
October .....	.95	.84	1.40	4.20	3.11	2.99	2.46	1.31	2.52	1.98	1.11	22.87
November...	.50	1.62	1.22	2.07	3.36	1.54	3.81	1.85	1.65	4.58	3.93	26.13	
December...	2.31	1.29	2.12	1.74	2.37	2.69	.57	2.55	2.44	3.35	1.61	23.04	
TOTALS...	19.12	11.45	20.07	19.77	27.32	23.70	23.33	26.55	25.30	17.59	23.70	237.90	

19 to Englestone 25 ft. high above 20 ft. NE

inspected Clinton 25. VII. 22. Site is an admirable one & the exposure is uninterrupted

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 34'	0° 34'	Pitsea	1/2 mi	E	Pitsea	1/2 mi	ENE

RAINFALL at Pitsea Pumping Station

County of EssexObserver Southend Water Works Co.River Basin Thames, Reding etc. 2.Type of Gauge SnowdonAnnual Average in. based on years obs. un-weighted. Period of average Ref.
" 20.6 in. compiled by Mr. Cornish (1938) Ref 561245/36 660610/26

Diameter	5.											
Height	1.0.											
Altitude	28.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	1.00	.92	1.02	1.40	1.11	3.60	3.57	2.09	3.82	1.71	2024	
February	1.76	.24	.63	.13	2.41	1.60	3.89	.67	1.10	1.43	1386	
March	.32	1.07	1.46	1.82	.18	.94	2.29	.37	1.36	2.59	1260	
April	3.57	1.54	.78	1.90	2.94	1.35	2.46	.63	1.92	1.76	1885	
May	2.59	2.90	1.26	.48	1.31	.53	2.68	1.63	1.85	1.46	1669	
June	1.02	.49	1.87	1.59	2.56	3.34	2.55	.62	.95	.49	1548	
July	2.73	2.07	1.26	1.55	.56	3.26	1.93	1.23	1.49	3.81	1989	
August	3.60	1.27	.44	1.68	2.37	.64	.70	2.43	3.48	.04	1670	
September	1.16	1.57	2.29	1.71	2.17	2.19	1.26	2.61	.71	1.16	1783	
October	.48	5.10	1.17	1.57	2.99	1.80	1.40	2.20	6.58	2.04	2533	
November	1.71	.71	.69	1.15	3.79	3.08	1.76	1.52	3.70	5.79	2390	
December	.49	.28	.49	3.62	1.93	1.05	3.81	2.29	1.19	1.27	1642	
TOTALS	20.43	18.16	13.41	18.60	25.32	23.38	28.50	18.29	25.15	23.55	21779	KM

1931. Engine House 25' high about 20yds NE
1940. Jan. cond. for snow.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			Pitsea	1/2 ml	E	Pitsea	1/2 ml	ENE

Station No. TF 1258RAINFALL at Pitsea Pumping Station

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County of EssexObserver Soutland Water Works Co.River Basin Thames-Roding ss-2Type of Gauge ShawdonAnnual Average in. based on years obs. un-weighted. Period of average Ref" 20.6 in computed by Mr. Cornish (1935) 14.561245126 File No. 660610126

Diameter	5"			236	720							
Height	1' 0"											
Altitude	28'											Totals
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950		Means
January	2.18	1.87	4.22	1.19	1.71	1.15	2.08	2.84	1.08	1.70		20.02
February	1.21	.81	1.05	1.05	1.50	2.01	1.08	1.35	.62	2.82		13.50
March	2.18	2.54	.34	.09	1.32	1.29	4.54	.77	.93	.73		14.63
April	1.20	.56	1.14	1.71	1.08	1.85	1.16	1.37	1.46	1.83		18.36
May	1.27	2.12	1.60	.50	2.98	2.16	.86	1.69	1.79	1.59		16.56
June	.96	.07	1.34	1.60	1.33	2.49	2.79	1.78	.93	1.22		14.51
July	2.57	1.79	1.36	2.36	2.40	2.26	1.91	1.17	.17	2.60		18.59
August	4.47	2.21	1.13	2.57	2.65	4.36	.11	3.67	1.49	1.85		24.51
September	.33	1.27	2.15	2.76	.58	2.01	1.68	1.10	1.03	2.49		15.40
October	.94	2.85	1.55	3.18	1.59	1.53	.27	1.71	5.67	.29		19.58
November	2.23	(1.68)	1.09	4.02	.58	2.80	.86	2.11	2.24	4.06		21.67
December	1.38	2.02	1.71	.96	2.81	2.12	2.42	1.76	1.46	1.93		18.57
TOTALS	20.92	19.79	18.68	21.99	20.53	26.03	19.76	21.32	18.77	23.11		209.0

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.

Station No. 1258RAINFALL at Pitsea (Pumping Station)

51

County of EssexObserver Southend Waterworks Co.River Basin Thames-Roding-2Type of Gauge Snowdon

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

" " 20.6 in. computed by Mr. Cornish (1938) ref. 561245/36 File No. 660610/26

Diameter	2.76" 5	based on 35 years 1916-1950	Level of Av. 1916-1950	236	720							
Height	1' 0"											
Altitude	29'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	1.80	1.60										
February	5.03	1.00										
March	2.53	2.99										
April	2.94	1.03										
May	2.26	.88										
June	.98	2.43										
July	2.74	.68										
August	2.97	1.58										
September	2.66	3.43										
October	.66	2.03										
November	3.37	#										
December	1.59											
TOTALS	29.52 d	INC NP										

1952 terminated NP incomplete.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 19729874

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
	✓	✓	✓	✓	
	✓ link - 18	0 20.36, 427.24		✓ link 0 45.44	