

RAINFALL AT Southend Water works

Lat.

Long.

County of Essex

Rain Gauge, by

Observer G. Lingwood, Esq.
C. S. Billham Esq.

Crown - 3.

Diameter	8										
Height	1. 0										
Altitude	112 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.03	.84	1.11	1.73	1.27	2.56	5.78	.75	1.04		
February	1.79	.75	1.93	.99	1.90	.36	.53	1.18	1.71		
March	1.38	.98	.65	1.07	1.14	1.00	1.43	1.84	.93		
April59	1.91	1.44	1.00	.71	1.62	1.30	1.31	2.02		
May72	1.08	1.92	.27	1.86	2.37	1.47	.42	2.40		
June	2.10	1.94	1.87	1.21	.80	.27	.39	2.28	2.10		
July78	1.71	2.96	1.96	.36	2.76	1.35	4.56	2.21		
August	2.59	1.02	.28	.67	.40	1.46	2.45	4.25	2.33		
September	2.19	2.73	2.22	3.70	5.04	1.15	2.11	1.25	2.36		
October	3.36	4.32	1.59	1.25	3.45	2.49	1.13	1.22	3.79		
November	1.74	2.03	2.33	.75	2.34	1.97	3.00	4.23	.84		
December	2.55	2.35	.91	1.90	1.08	(2.85)	1.38	.87	1.22		
TOTALS	20.82	22.57	19.18	16.56	20.35	20.86	(17.32)	24.16	22.95		

Prittlewell Church 74 chains NNE.

Pumping Station 20ft high 180ft W

Dec 86 & Jan 87 - Avenue Road.

RAINFALL AT Southend Water Works Eastwood P.S.

Lat.

Long.

County of

Essex

Rain Gauge, by

Observer

C. S. Billham Esq

Couch - 3.

Diameter				8							
Height				1							
Altitude				50 ft							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
	1.54	1.80	1.33	.76	2.27	.48					2.35
February											
	2.81	1.29	.49	.60	1.89	.93					1.78
March											
	.28	.60	1.06	1.94	2.95	1.59					.76
April											
	.04	1.58	.94	.61	1.60	1.20					2.52
May											
	.79	1.45	.27	.16	1.33	2.72					1.64
June											
	.45	2.07	.27	2.75	2.95	1.80					1.37
July											
	2.35	3.70	2.95	1.17	.53	.88					1.54
August											
	1.07	2.46	1.62	2.72	2.26	.88					.79
September....											
	1.52	1.72	1.01	3.35	2.65	.23					2.30
October.....											
	2.67	3.04	2.85	2.92	.26	2.03					1.82
November....											
	2.31	2.43	2.56	.90	1.15	2.30					3.92
December....											
	1.41	1.62	2.33	2.24	1.60	1.71					1.34
TOTALS . . .											
	17.24	23.76	17.68	20.12	21.44	16.75					22.13

Lawrence Eastwood Ch $\frac{1}{2}$ mile N
Westover 200 ft high 70 ft NE

RAINFALL AT Southend Water Works

Lat.

Lon.

County of

Essex

Cloud - 3.

Rain Gauge, by

Observer

C. S. Bilham Esq

Diameter	8										
Height	10										
Altitude	112										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.73	.83	.31	1.69	1.93	1.66	.79	2.29	.50	2.37	1.410
February	1.08	.07	1.80	2.85	1.26	.58	.68	2.05	.83	1.93	1.313
March	1.70	1.84	1.49	.25	.62	1.24	2.62	3.19	2.09	.78	1.582
April	1.91	.42	1.19	.00	1.91	.95	.61	1.42	1.22	2.61	1.224
May	1.50	2.09	.50	.89	1.53	.16	.19	1.00	2.62	1.75	1.223
June	2.13	1.48	3.31	.64	2.28	.19	2.78	2.64	1.20	1.85	1.800
July	2.83	2.37	1.64	2.25	4.00	2.83	1.12	.82	.65	1.30	1.981
August	2.83	2.67	2.64	1.05	2.51	2.03	2.53	2.25	.82	.78	2.011
September	1.08 2.87	.48 1.10	1.21 880	1.49 542	1.76 1455	.80 544	3.57 1000	2.54 825	.17 284	2.17 5607	1.536
October89	3.88	4.42	2.76	3.05	2.88	3.19	.15	1.67	1.89	2.478
November	2.74	.96	2.15	2.32	2.34	3.27	1.03	.94	2.19	3.98	2.192
December57	1.92	1.17	1.42	1.75	2.70	2.63	1.94	1.80	1.47	1.737
TOTALS	20.99	19.01	21.83	17.61	24.94	19.38	21.74	21.23	15.76	22.38	20.489

1890 Pittmead P. Mary 1 Mile NNE

House 40 ft high 120 ft E

RAINFALL AT Southern End Water Works Eastwood P.S.

Lat. Lon. County of Essex

Rain Gauge, by Observer C. S. Billham Esq.

Couch 3.

Diameter ..	8										
Height	10										
Altitude ..	50										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.38	.52	.55	1.77	2.34	.79	2.88	1.09	.90	.84	1.406
February ..	3.02	.77	1.51	1.04	1.87	.58	1.61	.86	1.27	1.06	1.359
March78	1.72	.97	1.22	1.30	2.18	1.11	.70	1.68	2.69	1.435
April.....	.82	1.57	.26	1.64	.68	2.34	.69	2.35	2.50	1.56	1.436
May	1.15	.59	2.56	1.87	1.50	.86	1.85	1.81	1.75	.99	1.493
June	2.79	.69	2.22	6.28	1.37	3.42	1.80	1.87	.81	3.43	2.468
July	1.39	1.55	1.19	5.69	1.71	.44	.98	1.02	3.84	3.52	2.083
August	1.91	1.34	2.49	3.31	1.77	1.89	.58	1.34	2.53	2.84	1.950
September..	.72	1.35	1.67	1.50	.92	2.32	1.59	.42	1.29	2.09	1.387
October....	1.48	1.48	1.66	4.16	1.80	1.10	3.51	3.00	1.44	5.27	2.490
November ..	1.91	.52	1.66	2.12	1.39	2.25	4.04	1.95	1.20	1.33	1.837
December ..	1.65	2.72	1.26	1.11	1.97	.62	1.80	2.24	2.04	3.06	1.847
TOTALS ..	20.00	14.82	18.00	31.71	18.57	18.79	22.44	18.65	20.75	28.18	21.191

D D D D D

1900 St Lawrence Eastwood On $\frac{1}{2}$ mile N

Well House 20 ft high 70 ft N.E.

Guthrie Station $\frac{1}{4}$ mile SE

No building near

Hub

RAINFALL AT Southend Water Works

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer C. J. Bellamy Esq.

Crouch - 3.

Southend Water Works Co.

Diameter ..	8											
Height ..	10											
Altitude ..	118 ft			112 ft								
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.80	.63	.54	1.85	2.22	.85	3.09	1.15	1.00	.89	1.502	
February ..	3.54	.72	1.72	1.12	1.90	.56	1.42	1.20	1.43	1.03	1.464	
March ..	.88	1.82	1.20	1.36	1.36	2.15	1.11	.81	1.86	2.34	1.489	
April ..	.64	1.42	.27	1.74	.58	2.48	.78	2.23	2.40	1.49	1.398	
May ..	.84	.68	2.72	2.22	1.65	.80	1.87	2.14	1.48	1.10	1.550	
June ..	2.68	.62	2.66	5.87	1.12	3.57	2.12	1.80	1.21	3.36	2.501	
July ..	1.46	1.52	1.12	4.86	2.74	.29	.77	1.02	3.44	3.27	2.049	
August ..	1.89	1.38	2.68	2.60	1.80	1.73	.40	1.64	2.41	2.43	1.886	
September ..	.82	1.20	1.30	1.52	.98	1.62	1.69	.34	1.27	1.98	1.572	
October ..	6.85	4.72	7.6	14.85	6.64	7.21	4.98	4.80	8.33	11.04	9.528	
November ..	1.44	1.53	1.72	4.55	2.04	1.00	3.52	3.05	1.57	4.56	2.528	
December ..	1.50	2.76	1.15	1.12	1.45	.57	1.82	2.44	2.14	2.89	1.784	
TOTALS ..	20.51	14.83	18.51	31.66	18.76	17.89	23.21	19.98	21.43	26.80	21.358	

m m m mm m

1900 Pittewell St Mary's Ch 1 mile NNE

House 40 ft high 120 ft E + N

1903 St Mary's Church
Pittewell } 1 mile NNE

Westcliff Station 1/3 mile W

2 Daily values in found volumes shelf CS, R. 14

Huske

RAINFALL at Southend Water Works

County of Essex

Observer Southend W.W. Company
C. S. Billham

River Basin Crouch 3

Rain Gauge, by _____

Diameter ...	8										
Height	10										
Altitude ...	112 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.43	1.06	3.10	2.44	.63	2.21	.72	1.21	2.76	2.68	7.57
February ...	2.50	.80	1.17	.63	1.43	1.95	3.44	.87	.77	2.17	6.95
March	1.17	2.45	2.01	1.96	4.23	.99	3.43	1.51	.83	2.46	8.23
April96	1.75	.06	2.18	.87	.92	1.13	1.77	2.16	2.64	7.70
May	3.34	1.10	.63	1.53	1.17	2.58	1.47	1.37	1.42	.25	4.51
June	2.39	1.92	2.87	.55	.56	.74	2.17	1.81	.98	.93	5.89
July	1.93	.35	1.49	1.95	1.53	3.02	1.11	4.32	4.35	2.10	1.88
August	1.90	1.55	3.15	.28	.57	2.35	2.35	3.72	1.99	1.67	9.73
September ..	.89	1.07	2.09	.86	.69	1.73	.92	.75	3.84	.53	5.51
	711	489	960	384	335	784	655	1060	1063	523	
October ...	1.71	2.97	1.87	4.43	1.71	1.81	2.02	2.30	2.06	.59	6.97
November ..	2.73	3.30	1.66	2.84	2.88	2.96	3.65	1.69	1.61	1.84	8.79
December ...	2.89	3.36	2.10	.88	6.13	4.38	2.27	1.87	1.38	3.19	8.71
TOTALS ...	23.84	21.68	22.20	20.53	21.40	25.64	24.88	22.89	23.62	21.05	92.24
	7	7	7	7	7	7	7	7	7	7	

1910 Honors 40 p.m. high 40 gdo E+N

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.32.	0.40	Westcliff	1/2 mile	W	Pitmead	1 mile	NNE

RAINFALL at Eastwood Pumping StationCounty of EssexObserver Southend W.W.CoC.P.BethamRiver Basin Crouch 3

Rain Gauge, by _____

Diameter ...	8											MEANS.	
Height	10												
Altitude ...	50 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919			
January	1.48	1.11	2.87	2.34	.62	2.29	.88	1.33	2.72	2.86			
February	2.72	.93	1.27	.71	1.58	1.89	3.48	.60	.70	2.44			
March	1.20	2.21	2.20	1.86	4.05	.97	3.21	1.73	.85	2.48			
April	1.08	1.55	.13	2.34	.86	.93	.75	1.94	1.98	3.26			
May	2.99	1.05	.89	1.78	1.31	2.59	1.54	1.88	1.37	.48			
June	2.51	1.96	2.81	1.13	.62	.64	2.06	1.47	.79	1.16			
July	2.04	.28	1.93	1.69	1.29	3.03	1.00	4.01	4.96	1.89			
August	2.01	1.22	3.47	.40	.78	1.90	2.80	4.03	1.64	2.04			
September ..	.92	1.17	2.38	.94	.72	1.86	.90	.99	3.61	.58			
October	1.29	2.92	1.84	4.10	1.48	1.93	2.12	2.39	1.92	.77			
November ..	3.05	3.40	1.38	2.41	2.69	3.05	3.80	1.56	1.73	1.78			
December	3.07	3.43	2.14	.89	4.99	4.55	2.30	1.93	1.51	3.14			
TOTALS ...	24.46	21.23	23.31	20.99	21.00	25.63	24.84	23.88	23.78	22.88			
	7	7	7	7	7	7	7	7	7	7	7	7	

1910 Pumping Station nearing building 200 ft

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.34	0.41.	Prittlewell	1/4 mile	SE	St Lawrence	1/2 mile	N

RAINFALL at Southend Water Works.

County of Essex

Observer E. C. Billingsley

River Basin Canal 3

Smaller w.h.s. G.

Rain Gauge, by N+Z

{ Tube bent as in a Glacier
at it was suggested that tube be straightened } C.B.

Diameter ...	8	Rain Gauge, by N+Z									
Height	10 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Altitude ...	112										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	1.76	1.56	2.64	1.20	2.47	1.18	1.76	1.61	2.49	.90	1.65
February38	.81	1.55	2.51	.55	2.02	2.90	2.53	.93	.49	.75
March51	.87	1.38	1.64	.41	.73	.18	1.80	2.00	.03	1.15
April	2.14	1.17	2.42	1.37	2.55	1.26	4.68	1.55	1.40	1.13	1.35
May46	1.07	.89	1.74	2.81	1.74	.94	1.03	1.59	.79	2.55
June82	.21	1.01	.65	1.49	.48	2.37	2.01	2.75	.80	.42
July	3.57	.13	2.19	.79	3.03	2.32	1.66	2.82	2.23	1.43	2.26
August	1.91	.62	1.61	1.78	1.92	2.93	.96	2.93	2.03	1.44	2.99
September...	3.96	1.25	2.68	1.33	1.60	2.07	.51	3.19	.40	.42	3.20
	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)
October.....	1.37	.45	1.83	4.55	3.19	2.98	2.61	1.24	2.84	2.12	.91
November...	.60	1.87	1.00	2.13	3.57	1.72	3.68	2.31	1.66	4.42	3.09
December...	2.47	1.12	1.72	1.78	2.42	2.66	.63	2.86	3.28	3.21	1.77
TOTALS...	19.95	11.13	20.90	21.47	25.96	22.09	22.88	25.88	23.60	17.18	22.09
	D	D	D	D	D	D	D	D	D	D	D

1920. Some 40 ft. high. 40 yds. S.E.N.
inspected C. Britton. 25.VII.22 Exposure is a good one.
exp. S. in a field in Cambridge.

1928. Houses 40 ft. high. 40 yds. S.E.N.

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 from gauge	Parish Church.	Distance from gauge	Direction
1920.	51° 32' 0" 43'		Westcliff	1 mi	W	Prestlewell	1 mi	NNE

RAINFALL at SOUTHERN (WATER WORKS)

County of ESSEX

Observer Southend Water Works Co.

River Basin B - Thames - Roding &c.

Type of Gauge Glaisher

(Revised 2/9/40) 20.3

Annual Average 2.61 in. based on 35 years obs. un-weighted. Period of average 1881/1915 Ref. B. of N.

660 610/26

Diameter								8'			
Height								1'			
Altitude								112'			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January								2.11	3.35	1.76	
February								.74	.90	1.29	
March								.38	1.41	3.16	
April								.29	1.55	1.61	
May								2.22	1.81	.90	
June								.53	1.21	.37	
July								1.21	.60	3.56	
August								2.13	2.57	.20	
September								1.37	.52	.96	
October								5.74	4.90	5.09	
								1.76	8.51	2.40	
November								1.69	3.40	6.33	
December								2.25	1.10	1.35	
TOTALS								16.68	27.79	23.89	

1931. Houses about 10 ft high 40 yds E.N.

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	Parish Church.	Distance from gauge.	Direction
1931.			Westcliff	½ m	W.	Prittlewell	1m	NNE.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON. S.W.7.

RAINFALL at Southend (Waterworks)

County of Essex

Observer Southend Water Works Co.

River Basin Crouch - 3

Type of Gauge Glaisher

Annual Average Rain. in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. P. of N.
see sheet 17545 660610/26

Diameter	8.											Means
Height	1.0.											
Altitude	112.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		Totals
January	1.35	.78	1.37	1.35	1.28	3.48	3.69	2.11	3.35	1.76		20.62
February	1.49	.39	.82	.25	2.26	1.43	3.53	.74	.90	1.29		13.10
March	.45	1.17	1.15	1.88	.50	.78	2.58	.38	1.41	3.16		13.46
April	2.97	1.86	.61	1.64	2.21	1.24	2.76	.29	Station renumbered			17.04
May	2.84	2.73	1.46	.65	1.17	.39	3.03	2.22	12.54	5		17.20
June	1.05	.92	2.10	1.21	2.59	2.40	3.30	.53	owing to revision of river div. lines			15.69
July	2.57	1.61	2.46	1.24	.47	2.89	1.43	1.21				18.04
August	3.19	1.06	.46	1.41	2.50	.91	.92	2.13	2.57	2.43		15.35
September	1.42	1.27	2.90	1.11	2.20	1.91	1.23	1.37	.52	.96		14.89
October	.45	5.75	1.23	1.36	1.89	1.77	1.18	1.76	8.51	2.40		26.30
November	1.89	.69	1.26	1.20	3.58	3.10	1.81	1.69	3.90	6.33		25.65
December	.52	.32	.61	3.05	1.83	1.18	3.58	2.25	1.16	1.35		15.85
TOTALS	20.19	18.56	16.43	16.35	22.48	21.48	29.02	16.68	27.74	23.89		212.89

1931. Houses about 40' high 40 yds E + N.

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	Parish Church.	Distance from gauge	Direction
1931			Westcliff	1/2 mile W		Prittlewell	1 ml	NNE

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Eastwood Pumping Station

County of Essex

Observer Southend Water Works Co.

River Basin Crouch - 3

Type of Gauge Glaisher.

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

" " 21.0 in. computed by Mt. Cornish (1938) Pg. 561245/36

Ref.

660610/26

Diameter	4.										
Height	1.0.										
Altitude	50.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.45	1.90	1.49	1.54	1.33	3.85	4.00	2.42	4.34	1.79	2.311
February	1.70	1.28	1.86	1.23	2.56	1.79	3.77	1.76	1.11	1.41	1.441
March	1.50	1.31	1.26	1.99	1.55	1.87	2.65	1.41	1.68	2.79	1.401
April	2.95	1.94	1.63	1.70	2.73	1.36	2.77	1.40	2.06	1.49	1.803
May	2.54	2.88	1.58	1.64	1.22	1.44	3.13	2.44	1.99	1.86	1.775
June	1.99	1.84	2.01	1.23	2.11	2.42	3.06	1.62	1.27	1.40	1.495
July	2.99	1.55	1.76	1.02	1.43	2.90	1.48	1.04	1.86	3.70	1.773
August	3.80	1.27	1.49	1.67	2.41	1.92	1.24	1.82	3.58	1.11	1.731
September	1.35	1.41	3.16	1.47	2.58	1.68	1.50	1.61	1.86	1.07	1.669
October	1.49	5.60	1.21	1.54	2.17	1.79	1.47	2.25	8.47	2.18	2.718
November	1.87	1.85	1.16	1.46	3.64	3.33	1.67	1.72	4.16	6.19	2.605
December	1.49	1.28	1.59	3.62	2.01	1.47	3.71	2.61	1.35	1.47	1.760
TOTALS	21.12	19.11	16.20	18.14	23.74	22.82	30.45	18.10	31.73	23.46	22.487
	D	D	D	D	D	D	D	D	D	D	KM.

1931. No building nearer than 200'

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	Parish Church.	Distance from gauge	Direction
1931			Prittlewell	1 1/4 mds	S.E.	Eastwood	1/2 mds	N.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Southend (Watertower)

41

County of Essex

Observer

Southend Waterworks Co.

River Basin Thames - Roding 20-2

Type of Gauge Glaisher

Annual Average 2.11 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B 7.10
21.1

File No. 660610/26

Diameter	8"			236	524				8"		
Height	1' 0"								1' 0"		
Altitude	112'								123'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.45	1.88	1.45	.88	1.43	.99	1.69	2.36	.76	1.24	18.13
February	1.16	.81	1.27	1.32	1.09	2.11	1.15	1.33	.44	2.38	13.06
March	2.33	3.09	.40	.13	1.02	1.27	3.80	.69	.80	1.46	13.99
April	1.20	.67	.92	1.42	.86	1.67	1.07	1.41	1.13	1.32	11.67
May	1.36	2.03	2.09	.97	2.63	2.20	1.00	1.36	1.79	1.82	17.25
June	.84	.24	1.09	1.32	.86	2.14	1.80	1.47	.48	1.04	11.28
July	4.01	2.02	1.31	1.89	2.02	2.10	1.58	.85	.32	2.18	18.28
August	3.37	2.25	1.02	3.05	2.08	4.71	.04	3.85	.92	1.38	22.17
September	.27	1.85	2.22	2.33	.53	1.93	1.29	1.08	.88	2.62	15.00
October	1.06	3.56	1.72	3.42	2.46	1.14	.37	1.15	5.46	.27	20.61
November	2.42	2.89	1.00	4.26	.77	2.95	.86	1.93	1.87	3.80	22.75
December	1.44	2.28	1.41	1.03	2.52	2.27	2.05	2.12	1.04	1.43	17.59
TOTALS	21.91	23.57	18.90	22.62	18.27	25.48	16.70	19.10	15.89	19.94	201.78 428

for comparison see over.

18.84

201.78

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	Parish Church.	Distance from gauge

Station No. T.F. 1275

RAINFALL at Eastwood Pumping Station

41

County of Essex

Observer Southend Water Works Co.

River Basin Crouch - 3

Type of Gauge Glass

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

21.0 in. computed by Mr Cornish (1908) ref. 561245/36 File No. 66260/26

Diameter	8"			236	020							
Height	1' 0"											
Altitude	58'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.19	1.98	4.06	1.23	1.78	1.01	2.29	2.78	.99	1.46		
February	1.41	.89	.94	1.57	1.34	2.14	1.30	1.44	.55	2.95		
March	2.29	3.11	.44	.21	1.21	1.63	4.54	.79	.89	.57		
April	1.23	.78	1.07	1.50	.98	1.87	1.32	1.69	1.18	1.62		
May	1.54	2.11	1.95	.97	3.12	2.45	.96	1.63	1.74	2.01		
June	.79	.18	1.44	1.40	.98	2.50	2.14	1.55	.75	1.24		
July	4.15	2.31	1.34	2.08	2.02	2.14	1.80	1.10	.30	2.60		
August	3.60	2.15	1.14	3.08	2.27	5.13	.07	3.85	1.13	1.40		
September	.35	1.54	2.23	2.57	.86	1.91	1.44	1.12	.96	3.32		
October	1.16	3.12	1.73	3.79	2.75	1.45	.42	1.45	5.44	.27		
November	2.34	1.97	1.26	4.22	.74	3.35	.93	2.48	2.15	4.20		
December	1.30	2.28	1.71	1.16	3.03	2.57	2.25	2.25	1.32	1.61		
TOTALS	22.35	22.42	19.31	23.78	21.08	28.15	19.46	22.03	17.29	23.25		
	D	D	D	D	D	D	D	D	D	D		

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Southend (Waterworks)

County of Essex

Observer Southend Waterworks Co.

River Basin Thames-Roding & 2

Type of Gauge Glasser Snowdenian insp.

Annual Average 20.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B 66 N
21.13 1916-1950 P
21.15 1916-1950 File No. 660610/26

Diameter	8"		236	524								
Height	1' 0"											
Altitude	123'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	1.51	1.36	.75	1.00	2.47	3.58	.94	2.03	1.50	1.99		17.13
February	4.41	.85	1.18	1.71	1.29	.41	1.95	1.89	.08	1.37		15.14
March	1.99	2.75	.28	1.93	1.03	.60	.88	.90	1.08	1.35		12.79
April	2.03	.51	1.55	3.0	.19	1.39	.12	1.41	1.75	.44		9.69
May	2.18	1.19	1.21	1.75	4.21	.37	1.19	1.75	.97	2.49		17.31
June	1.21	1.48	1.57	2.53	1.84	1.71	1.11	5.07	1.15	1.66		19.38
July	2.22	.68	2.45	2.42	.59	3.02	2.24	2.38	1.26	2.41		19.61
August	2.30	2.03	1.40	2.76	1.70	3.16	2.00	3.41	.93	3.12		23.11
September	3.58	4.15	1.97	9.4	2.74	1.73	2.62	3.48	.13	3.16		24.50
October	.83	1.45	2.00	1.44	4.10	1.21	1.43	2.60	1.99	5.59		22.64
November	2.61	4.42	1.02	3.05	.56	.42	2.39	1.24	2.51	3.10		21.32
December	1.07	1.74	.59	.85	1.43	1.81	1.70	2.86	2.61	2.24		16.90
TOTALS	25.94	22.61	15.97	20.73	22.15	19.41	18.57	29.32	15.96	28.92		219.59
D	D	D	D	D	D	D	d	d	d	d		

Inspected 30.11.54 M.R.P.H.G.Dear. Gauge sound but not fixed. Site reasonable, on top of reservoir. Unworthily but protectively by trees and buildings. Agreed to fix 6153.

Position of Station on Ordnance One-Inch map :

No. of Map 162

National Grid Reference TQ 874 853

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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
		✓	✓	✓ See 1870	✓	✓
		✓	✓	✓	✓	✓

Station No. 1275

158

RAINFALL at Eastwood (Pumping Station)

County of Essex

Observer Southend Waterworks Co.

River Basin Grouch - 3

Type of Gauge Glaisher

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

" 21.0 ins. computed by Mr. Cornish (1938) ref. 561245/38 File No. 660610/26

Diameter	8"		236	020							
Height	1' 0"										
Altitude	50'										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.76	1.45									
February	5.08	1.43									
March	2.22	2.84									
April	2.45	.64									
May	2.34	1.25									
June	1.32	1.98									
July	3.02	.67									
August	2.75	1.43									
September	3.38	4.48									
October	73	1.67	44								
November	3.09										
December	1.13										
TOTALS	29.27	INC									
	d	NP									

1952 Terminated N.P. incomplete.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TQ862879

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓