

RAINFALL AT Thundersley Reservoir

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

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

County of Essex

Cronch - 3.

Standard Rain Gauge, by N + 7

Observer Southern Water Works Co

E C Bisham

Diameter ...										5
Height .....										10
Altitude ...										277 1/2
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
January ...										.86
February ...										.86
March .....										2.48
April .....										1.51
May .....										1.03
June .....										2.97
July .....										3.44
August .....										2.72
September ..										2.73
October ...										4.55
November ...										1.20
December ...										3.07
TOTALS ...										27.42

SD

RAINFALL at Thunderley Reservoir

County of Essex

Observer. Southend W.W.C.

E.C. Bilham

River Basin Crouch 3

Sounding Rain Gauge, by N.F.3  
Cats & mice

Diameter ...	5	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height .....	10											
Altitude ...	277 ft											
Year ...		1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	1.29	1.09	2.81	2.77	.62	2.52	.94	1.05	2.63	2.90		Totals 16.19
February ...	2.64	.99	1.37	.57	1.58	2.37	3.90	.78	.71	2.41		7.52
March .....	.98	1.74	2.20	1.69	4.14	1.16	3.40	1.69	.87	2.74		7.80
April .....	1.20	1.39	.10	1.92	.95	.77	1.87	1.54	2.09	2.96		8.70
May .....	2.98	.92	.53	1.62	1.44	2.25	1.48	2.06	1.36	.25		7.96
June .....	3.40	1.91	3.37	.66	.80	.90	1.86	1.05	.80	1.25		5.15
July .....	1.94	.58	2.51	1.72	1.09	2.59	.87	4.79	5.37	1.66		4.96
August .....	1.65	1.06	2.97	.73	.94	2.62	2.73	3.71	1.35	1.96		9.69
September ..	.86	1.18	2.55	1.13	.78	2.31	.95	1.00	3.91	.54		6.40
October ...	1.81	3.56	1.84	3.91	1.65	1.66	2.25	2.47	1.60	.63		8.95
November ..	3.31	4.07	1.44	3.30	2.49	3.28	4.38	1.51	1.67	1.71		9.27
December ...	3.38	3.01	2.21	.91	5.04	5.00	2.42	1.61	1.40	3.12		8.58
TOTALS ...	25.44	21.50	23.90	20.93	21.52	27.43	26.55	23.26	23.76	22.13		95.70

1915 Reservoir 26 July 30m NE

1910-15 Daily values in liquid volume, shelf ft, R.M.

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.34	035	Rayleigh	1/2m	NE	Thunderley	42m	NE

## RAINFALL at Thundersley Reservoir

County of Essex

Observer Southend Water Works Co.

River Basin Crouch-3

Type of Gauge Snowdon

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

" " 21.3 in. computed by M.J. Cornish (1938) by 561245/56

660610/26

Diameter	5.											Total	Means
Height	1.0.												
Altitude	277												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940			
January	1.25	.88	1.29	1.46	1.17	3.82	3.63	2.10	3.94	1.93	21.52		
February	1.53	.32	.74	.17	2.35	1.53	4.10	.55	1.02	1.35	13.66		
March	.46	1.17	1.30	1.94	.82	.84	2.67	.37	1.60	2.56	13.73		
April	3.43	1.65	.66	1.59	2.93	1.30	2.65	.44	1.91	1.99	18.55		
May	2.65	3.34	1.69	.48	1.39	.50	2.94	2.00	1.90	.91	17.80		
June	1.14	.53	1.84	1.41	2.40	2.41	2.91	.43	1.00	.56	14.33		
July	3.14	1.48	1.44	2.64	.48	3.87	1.64	1.49	.97	3.74	20.49		
August	4.06	1.31	.50	1.56	2.20	.84	1.10	1.81	2.89	.07	16.37		
September	1.27	1.56	2.88	1.70	3.29	1.99	1.80	1.96	.81	1.19	18.55		
October	.44	5.28	.93	1.64	2.43	1.79	1.65	2.24	7.59	2.06	36.30		
November	1.78	.76	1.05	1.18	4.00	3.35	1.59	1.61	3.96	6.14	25.42		
December	.48	.31	.44	3.73	2.15	1.32	3.85	2.61	1.35	1.34	17.58		
TOTALS	21.63	18.79	14.51	19.40	25.74	23.26	30.55	17.64	28.94	23.84	221.30	KM	

1931 Reservoirs 20' high about 30 yds NE.

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			Rayleigh	1½ mls	NE	Thundersley	½ ml	NE

## RAINFALL at Thundersley Reservoir

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County of Essex

Observer Southend Water Works Co.

River Basin Colne-3

Type of Gauge Showdon

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

21.3 in computed by Mr. Cornish (1938) ref. 56 File No. 660610/26

Diameter	5"		235	467								
Height	1' 0"											
Altitude	277'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.32	1.92	3.89	1.14	1.75	.86	2.28	2.83	.92	1.41		Totals 19.32
February	1.29	.91	.89	1.13	1.34	2.08	1.48	1.62	.51	2.62		13.67
March	2.34	2.72	.41	.18	1.35	1.38	4.55	.64	.81	.60		14.98
April	1.03	.65	1.19	1.61	.98	2.29	1.08	1.23	1.54	1.32		12.92
May	1.32	2.11	1.32	.89	2.43	2.05	.89	1.63	1.89	1.32		15.25
June	.91	.07	1.16	1.48	1.09	2.76	2.17	1.74	.82	1.00		13.20
July	4.32	2.29	1.10	2.77	1.67	2.80	2.13	1.03	.23	2.68		21.02
August	3.99	2.44	1.23	2.78	2.61	4.46	.14	2.88	1.65	1.72		23.90
September	.31	1.64	1.89	2.64	.70	1.95	1.39	.93	1.04	3.22		15.71
October	1.04	3.11	1.61	3.13	1.88	1.60	.36	1.95	5.14	.24		20.06
November	2.34	2.08	1.26	4.02	.64	2.84	.75	2.33	2.21	3.39		21.86
December	1.53	2.15	1.69	1.26	2.92	1.97	2.04	1.79	1.36	1.47		18.18
TOTALS	22.74	22.09	17.64	23.03	19.36	27.04	19.26	20.40	18.12	20.99		210.67

1942. Corrected by F1070. 5/6/56. ~~1942~~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

## RAINFALL at Thundersley Reservoir

County of Essex

Observer Southend Waterworks Co.

River Basin Crouch - 3

Type of Gauge Standard ✓

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

Ref.

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

Diameter	22.08	Based on 32 yrs 1916-1950	Period of av.	1916-1950	Rq	P					
Height	5'	235	467								
Altitude	1' 0"										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.58	1.51	.88	1.31	2.48	3.23					
February	4.80	.90	1.12	1.86	1.54	.45					
March	2.19	3.07	.32	2.07	1.11	.69					
April	2.73	.86	2.14	.30	.17	1.34					
May	2.29	1.39	1.32	1.77	4.23	.31					
June	.89	1.92	1.91	2.70	1.88	1.63					
July	2.92	.77	3.25	2.18	1.07	2.82					
August	2.93	2.14	1.56	3.07	.75	3.01					
September	2.52	3.92	1.82	1.29	2.39	1.76					
October	.69	2.31	1.98	1.69	3.68	1.14					
November	3.44	4.42	.73	3.25	.83	.48					
December	1.29	2.13	.80	1.04	1.38	2.21	#				
TOTALS	28.27	25.34	17.83	22.53	21.51	19.03					
	D	D	D	D	D	D					

Inspected 30.11.54 Mr. P.W.G. Deeks. Gauge sound. Site slightly sheltered by two trees 20' S.W. 20' & 20' S. 20' in neighbours gardens.  
Str. closing 31.12.56 excl. 1949A.

Position of Station on Ordnance One-Inch map :

No. of Map 162

National Grid Reference TQ 721 820

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	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
		✓	✓	✓	✓	✓
		✓	✓ but 1.30, 2.3+2.4	✓	✓	✓