

RAINFALL at

Leigh Reservoir

County of Essex

Observer Southend Water Works Co.
E. C. Ballham

River Basin Crouch 3

Inscribed Rain Gauge, by No. 2
Cell 17 mile

Diameter ...	5										
Height	1.0										
Altitude ...	177 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.45	1.03	3.33	2.41	.59	2.58	.79	1.17	2.77	2.70	
February ...	2.50	.89	1.21	.68	1.50	2.11	3.77	.63	.71	2.57	
March .....	.99	2.32	1.92	1.67	4.02	1.02	3.55	1.55	.90	2.52	
April	1.15	1.42	.08	2.09	.89	1.00	1.28	1.75	2.35	3.50	
May	3.29	1.04	.71	1.58	1.18	2.33	1.47	1.89	1.54	.27	
June	2.64	1.69	2.87	.64	.94	.82	2.38	1.03	.65	1.19	
July	2.07	.57	2.35	1.81	1.22	2.96	1.00	3.72	5.36	2.18	
August	1.60	1.50	3.30	.61	.80	2.24	3.09	4.23	1.42	2.06	
September ..	.86	1.04	2.68	.87	.66	2.13	1.04	1.01	3.57	.61	
October ...	1.79	2.96	1.77	4.02	1.59	1.86	2.17	2.32	1.91	.72	
November ..	3.10	3.50	1.50	2.82	2.92	3.02	4.12	1.60	1.77	1.79	
December ...	3.06	2.95	2.20	.84	4.97	4.83	2.11	1.93	1.45	3.33	
TOTALS ...	24.50	20.91	23.92	20.04	21.28	26.90	26.77	22.83	24.40	23.44	
	3	3	3	3	3	3	3	3	3	3	

1914 Reservoir 9 ft high 7 yds E
 12 ft ? W
 1910-15 Daily values in bound volume, shelf C3 R. 14.

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.32	0.39	Leigh	1/4 m	SE	Leigh	1/4 m	SE

RAINFALL at Leyh ReservoirCounty of EssexObserver Smith & W.B.River Basin Gouch 3E.P. BichenCW Rain Gauge, by N+Z
good condition

Diameter ...	5										
Height	1	0									
Altitude ...	177	117							177		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930
January ...	1.90	1.59	2.83	1.09	2.49	1.15	1.64	1.70	2.66	.86	1.58
February ...	.46	.54	1.39	2.17	.61	1.63	2.44	3.25	1.03	.51	.55
March .....	.48	.76	1.41	1.74	.43	.70	.05	2.30	2.31	.00	1.14
April	2.05	1.39	2.32	1.39	2.71	1.36	4.94	1.61	1.62	1.37	1.35
May .....	.51	1.37	.70	1.90	3.21	1.91	1.04	.91	1.88	.71	2.40
June .....	.81	.19	1.32	.79	1.77	.40	3.22	2.19	3.03	.93	.54
July	2.98	.09	1.84	.86	3.09	2.77	1.13	2.47	2.45	1.27	2.59
August	1.48	.54	1.63	1.61	1.89	2.57	.93	2.88	2.39	1.54	3.05
September...	4.20	1.16	2.16	1.26	1.83	1.98	.91	3.47	.49	.34	3.15
October	1.02	.58	2.19	4.45	3.78	2.86	2.83	1.09	2.83	2.03	1.17
November...	.47	1.52	.95	2.03	3.44	1.54	4.11	2.77	1.64	4.04	3.45
December...	2.33	1.18	1.84	1.56	2.19	2.67	.55	2.51	3.30	4.10	1.95
TOTALS...	18.69	10.91	20.58	20.85	27.44	21.54	23.79	27.15	25.63	17.70	22.92
	D	D	D	D	D	D	D	D	D	D	D

Inspected CB. 25.vii.22. Fairly good exposure, the sloping side of the reservoir being somewhat near more side of the gauge. Grass was long around gauge site will be cut.

1922. Hedge 12 ft. E of 7 yds. W. Reservoir 9 ft. E of 7 yds. E

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

No. of Map

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° 32'	0° 59'	Leyh	24 mi	SE	Leyh	24 mi	SE

RAINFALL at Leigh Reservoirs

County 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.
20.9 in. computed by Mr. Cornish (1938) Ref. 561245/36 660610/26

Diameter	5										
Height	1.0										
Altitude	177										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.28	.86	1.45	1.40	1.22	3.85	3.66	2.33	3.81	2.09	219.5
February	1.81	.29	.71	.08	2.41	1.64	3.90	.79	1.14	1.45	142.2
March	.55	1.17	1.14	2.03	.53	.86	2.66	.44	1.55	2.84	137.7
April	3.51	1.75	.67	1.63	2.66	1.40	2.93	.37	2.18	1.76	188.6
May	2.56	3.25	1.54	.64	1.39	.30	3.03	2.24	1.99	1.00	179.4
June	1.21	.69	2.37	1.03	2.29	3.29	3.35	.53	1.25	.50	165.1
July	2.90	1.49	1.59	1.52	.26	2.95	1.69	1.30	1.36	3.90	189.6
August	3.37	.91	.43	1.37	2.36	.72	1.02	1.82	3.37	.15	155.3
September	1.20	1.44	3.31	1.24	2.75	2.03	1.41	2.01	.94	1.05	173.8
October	.48	5.59	.98	1.60	1.95	1.90	1.50	2.27	8.49	2.22	269.8
November	1.86	.62	.87	1.11	3.66	3.43	1.77	1.76	4.08	6.07	252.3
December	.59	.22	.51	3.52	1.92	1.40	3.99	2.65	1.42	1.47	176.9
TOTALS	21.32	18.28	15.57	17.17	23.40	23.77	30.91	18.51	31.58	24.50	2250.1

1931. Hedge 12' high about 7 yds W
Reservoirs 9' " " 7 " EPosition 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 Direction from gauge	Parish Church.	Distance Direction from gauge
1931.			Leigh	1 1/4 mls SE	Leigh	1 1/4 mls SE

RAINFALL at Leigh Redwinn (Office)Station No. T.F. 1272

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County of EssexObserver Southend Water Works Co.River Basin Crouch - 3Type of Gauge ShannonAnnual Average 20.9 in in, based on 1946 years obs. un-weighted. Period of average Ref.20.9 in computed by Mr Cornish (1938) File No. 361245/36 660610/26

Diameter	5			236	540	5						
Height	1'0"					1'0"						
Altitude	177'					137'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.68	1.99	4.05	1.17	1.81	98	1.86	2.50	.78	1.35		
February	1.29	.94	1.09	1.29	1.20	2.11	1.05	1.29	.51	2.69		
March	2.24	2.78	.42	.20	1.27	1.13	3.89	.76	.74	.44		
April	1.30	.76	1.09	1.47	1.05	1.38	.98	1.37	1.06	1.43		
May	1.56	2.32	1.73	.79	2.62	1.78	.72	1.58	1.94	1.81		
June	.91	.14	1.23	1.61	.96	1.89	1.46	1.70	.54	1.16		
July	3.15	2.19	1.32	2.29	2.25	1.60	1.81	.87	.54	3.18		
August	3.74	1.97	1.12	2.96	2.56	4.17	.10	3.60	.97	1.53		
September	.36	1.62	2.26	2.52	.65	1.96	1.36	.89	.86	2.70		
October	1.10	2.91	1.65	3.99	2.28	1.68	.42	1.39	5.18	.28		
November	2.39	2.25	1.21	4.27	.85	2.29	.88	2.18	1.98	3.67		
December	1.52	2.00	1.63	1.25	2.70	2.09	2.04	2.15	1.35	1.67		
TOTALS	22.24	21.87	18.80	23.81	20.20	22.56	16.57	20.08	16.45	21.41		

1946 Moved Jan 1st 330 yds S.E. Wall 7', 45' N; Gable 20', 45' S; Hedge 3'6", 60' E.
 Hedge 3'6", 60' W.
 n.p. low.
 1947 Gauge has been tested & found to be in good condition and not leaking.
 New observation 1948
 1947 n.p. low.

condry
 alloy Lee skins
 W defung

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.
1946			Leigh	1/2 m.	S.	St Clements	3/4 m.	S.E.

BRITISH RAINFALL ORGANIZATION

Station No. 1272

TF8

RAINFALL at Leigh (Office)

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County of EssexObserver Southland Waterworks Co.River Basin Crouch. 3Type of Gauge Inverted

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

" " 20.9 in. computed by Mr. Gornish (1938) ref. 56/245/36 File No. 660610/26

Diameter ...	5"			236	540							
Height ...	1' 0"											
Altitude ...	137'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.64	1.46										
February ...	4.49	.95										
March ...	2.02	2.88										
April ...	2.30	.70										
May ...	2.30	1.05										
June ...	1.01	2.28										
July ...	2.84	.70										
August ...	2.64	1.60										
September ...	3.09	4.45										
October ...	.63	1.94										
November ...	3.33											
December ...	1.22											
TOTALS ...	27.51	INC										
	d	NP										

1952 Terminated NP incomplete

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 10 833 864

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ NP 46+47	
	✓	✓ but d'30	✓ but D 36-38	✓ but D 42	