

RAINFALL AT Vange Pumping Station

Lat. _____

Lon. _____

County of Essex

Standard Rain Gauge, by NF3

Observer Southern Water Works Co

Rodding &c - 2.

EC Bilham

Diameter ...										5	
Height										10	
Altitude ...										43 ft	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										.83	
February ...										.78	
March										2.15	
April										1.57	
May										1.00	
June										2.59	
July										3.64	
August										1.88	
September ..										1.78	
October ...										3.64	
November ..										.84	
December ...										2.72	
TOTALS ...										23.42	

RAINFALL at Vange Pumping StationCounty of EssexObserver Southern Water Works Company
E. C. GillamRiver Basin Thames, Rodnup & C 2Situated Rain Gauge, by N 3
Gate post

Diameter ...	5											
Height	10											
Altitude ...	43											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
1909												
January	1.19	.96	2.93	2.72	.52	2.71	1.02	1.05	2.34	2.80		7.21
February	2.45	.97	1.17	.52	1.66	2.49	3.70	.67	.78	2.84		7.39
March	.85	1.71	2.03	1.95	3.78	.92	3.18	1.16	.81	2.67		7.82
April	.96	1.23	.09	2.46	.80	.79	1.46	1.34	2.31	3.03		8.14
May	2.64	1.07	.65	1.47	1.41	2.02	1.26	1.63	1.32	.23		6.44
June	4.28	1.85	4.46	.94	1.00	1.00	1.69	.79	.81	1.34		4.43
July	1.98	.40	1.35	2.14	1.16	2.84	1.15	4.78	(5.60)	1.75		13.30
August	1.48	.92	3.16	.95	.90	1.96	3.37	3.81	1.17	1.95		10.30
September	.71	.94	2.51	.97	.69	1.95	.44	1.04	3.72	.88		5.78
October	1.38	2.82	1.73	3.75	1.29	1.34	1.69	2.40	2.01	.64		6.76
November	3.28	4.21	1.33	2.65	2.31	3.19	3.46	1.61	1.70	1.63		8.40
December	2.81	3.21	2.31	.81	5.17	4.98	2.69	1.64	1.63	2.89		8.73
TOTALS ...	24.01	20.29	23.72	21.33	20.69	26.19	25.11	21.82	24.20	21.85		72.91
	23.42	2	2	2	2	2	2	2	2	2		2

9.6 Engine No 50 ft high 30 yards N

+ estimated 81.21

1910-15 Daily values in bound volume, shelf C4, R. 14.

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.33	0.27	Pitten	2 mile	NE	Vange	3/4 m	NE

RAINFALL at Vange Pumping StationCounty of EssexObserver Lowndes W.D. Co.Ed. B. L. J. (S. J.)River Basin Hansa Roding & Co.London Rain Gauge, by N. J.Cent. Dr. Hill. good condition (22)

Diameter ...	5											
Height	0											
Altitude ...	43											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means 1920	Totals
January ...	2.01	1.77	2.92	.93	2.47	1.36	1.78	1.57	2.35	.93	1.51	19.60
February ...	.35	.49	1.44	2.24	.94	2.30	2.80	3.24	1.11	.36	.24	15.51
March .....	.57	.82	1.34	1.40	.59	.94	.06	1.73	1.63	.00	1.04	10.12
April	3.36	1.51	2.22	1.68	2.48	1.55	4.28	1.64	2.17	1.00	1.10	22.97
May .....	.72	.94	.88	1.48	2.62	2.02	.80	.82	2.15	.81	2.79	16.03
June	1.47	.22	.99	.71	2.10	.25	2.46	2.06	2.55	.90	1.27	14.78
July	3.66	.07	1.99	.59	3.06	2.88	1.79	2.25	1.72	1.56	1.84	21.44
August	1.34	.80	1.77	1.59	1.71	2.39	.77	3.25	3.15	1.97	2.36	21.10
September...	4.18	1.45	2.34	1.28	2.20	2.08	.60	3.29	.48	.39	2.37	21.16
October .....	.62	.96	1.36	4.36	3.11	2.83	2.42	1.32	2.57	1.75	.56	21.86
November...	.67	1.74	1.14	1.81	3.54	1.75	3.63	1.97	1.78	4.57	3.26	25.86
December...	2.28	1.22	2.34	1.81	2.41	2.61	.62	2.50	3.02	3.21	1.66	23.68
TOTALS...	21.23	11.99	20.73	19.88	27.23	22.96	22.01	25.64	24.15	17.45	20.50	234.30
	2	2	2	2	2	2	2	2	2	2	2	24

1920. Enginestone. 50 ft. 5 in. at 30 yds to N.

Inspected C. Britton 25.VII.22. Exposure excellent on level expanse of grass land well out of the influence of trees or buildings.

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° 33'	0° 27'	Plea	2 mi	N.E.	Vange	3 mi	N.E.

RAINFALL at Vange Pumping StationCounty of EssexObserver Southeast Water Works Co.River Basin Thames - Reading etc - 2Type of Gauge Standard

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

660610/26

Diameter	5											
Height	1 0											
Altitude	43											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total	Means
January .....	.74	.62	1.22	1.39	.84	3.31	3.20	1.86	3.70	1.63	18.51	
February	1.37	.21	.77	.11	2.12	1.38	3.70	.46	1.02	1.48	12.62	
March .....	.25	1.03	1.36	2.14	.47	.95	2.39	.48	1.24	2.31	12.62	
April	3.28	1.18	.70	1.61	2.72	1.28	2.40	.71	1.77	1.71	17.36	
May	2.30	3.30	1.02	.86	1.27	.39	2.63	1.40	1.83	1.04	15.73	
June .....	.85	.64	1.73	1.57	2.68	2.76	2.90	.51	.96	.50	15.10	
July	2.78	2.65	1.21	1.17	.39	3.04	1.78	1.34	1.14	3.79	19.29	
August	3.59	1.03	.23	1.46	2.31	.81	.63	2.10	3.12	.04	15.32	
September	1.24	1.44	2.11	1.75	2.78	2.09	1.17	2.55	.63	1.21	16.97	
October .....	.53	5.08	.98	1.62	2.76	1.87	1.35	2.03	6.44	2.06	24.47	
November	1.70	.84	.84	1.27	3.77	3.04	1.73	1.51	3.75	5.52	23.97	
December .....	.66	.29	.43	3.44	1.82	1.16	3.81	2.37	1.17	1.22	16.37	
TOTALS	19.39	18.31	12.60	18.08	23.93	21.78	27.69	17.32	26.82	22.51	208.33	

1931 engine house 50' high about 30° 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Pitsea	2 1/2	NE	Vange	3 1/2	NE.

Station No. T.F. 1256 ✓RAINFALL at Vange Pumping Station

41

County of Essex Observer Southeast Water Works Co.River Basin Thames - Roding &c-2Type of Gauge SnowdonAnnual Average in. based on years obs. un-weighted. Period of average Ref.File No. 66.2.6.10/26

Diameter	5"											
Height	1' 0"											
Altitude	43'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.89	1.90	3.88	1.06	1.61	1.10	1.50	2.83	.80	1.45		Totals 17.02
February	1.17	.56	1.05	.95	1.29	1.88	.78	.96	.59	2.58		11.81
March	2.37	2.59	.33	.12	1.24	1.19	3.99	.65	.79	.85		14.12
April	1.26	.59	1.08	1.65	1.01	2.15	1.08	1.15	1.25	1.69		12.91
May	1.23	2.06	1.48	.56	3.29	2.37	.71	1.63	1.55	1.42		16.30
June	.83	.04	1.56	1.50	1.19	2.25	2.61	1.87	1.08	.97		13.70
July	2.46	1.83	1.09	2.03	2.29	1.96	2.09	.81	.38	2.15		17.09
August	4.30	1.91	.99	2.62	2.04	3.83	.11	2.94	1.55	1.53		21.82
September	.23	1.38	1.59	2.61	.56	1.93	1.45	1.05	1.13	2.12		14.05
October	.95	3.14	1.49	2.84	1.53	1.36	.16	1.64	5.64	.23		18.98
November	2.14	1.74	1.37	3.66	.45	2.39	.83	1.93	2.06	3.94		20.51
December	1.43	2.04	1.47	.93	2.43	1.65	2.32	1.65	1.22	1.56		16.72
TOTALS	20.26	19.78	17.38	20.53	18.95	24.06	17.63	19.11	18.04	20.49		196.23
	D	D	D	D	D	D	D	D	D	D		446

19623

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

RAINFALL at Vange (Pumping Station)

51

County of Essex

Observer Southend Waterworks Co.

River Basin Thames - Roding C-2

Type of Gauge Snowdon

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

20.91 - 35 - 1916-1950

1916-1950

File No. 260610/26

P

Diameter ...	5"											
Height ...	1' 0"											
Altitude ...	43'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.61	1.32	.98	1.31	2.29	3.30	1.03	1.74	1.73	1.60		16.91
February ...	4.79	.84	1.33	2.11	1.29	.25	2.59	2.21	.04	1.39		16.84
March ...	2.26	2.64	.31	1.83	.88	.76	1.15	1.06	1.12	1.01		13.01
April ...	2.81	1.16	2.11	.25	.13	1.36	.30	1.59	1.86	.65		12.21
May ...	2.18	1.57	1.31	1.68	4.08	.26	1.33	1.47	1.08	2.13		17.08
June ...	.99	2.17	1.72	3.13	1.91	1.65	.94	4.89	.80	1.56		19.76
July ...	2.64	(.70)	3.49	2.41	.15	3.08	3.03	2.93	1.97	2.59		22.99
August ...	2.98	(1.50)	1.58	3.40	.78	2.90	2.07	4.00	1.02	2.48		22.71
September ...	2.61	3.26	2.27	1.41	2.59	2.46	2.42	5.57	.12	4.79		27.50
October ...	.53	1.89	2.26	1.49	3.66	1.35	1.38	2.88	2.09	5.82		23.35
November ...	2.99	3.91	.69	2.85	.52	.52	2.75	1.43	2.85	3.33		21.90
December ...	1.43	1.91	.65	1.19	1.83	2.05	1.61	2.89	2.74	2.17		18.53
TOTALS ...	27.82	22.99	18.70	23.06	20.11	19.91	20.60	32.66	17.42	29.52		232.79
	D	d	D	D	D	D	D	D	D	D		

Inspected 20.11.52. Mr. P.W. G. Decker. Gauge sound, no bottle. Life over exposed to S.W. 6' drop 15' G.S.M.
1956. Low but accepted.

00604

Position of Station on Ordnance One-Inch map :

No. of Map.....(6).....

National Grid Reference 79.70.8860

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
	✓	✓	✓	✓	
	✓ but -18	✓ but 4.27.30	✓ but 4.31.33	✓	