

RAINFALL at Wincobank Sewage Works

County of W.R. Yorkshire

Observer

J. Haworth Esq.

River Basin

Ouse - Don

Hyetograph Rain Gauge, by N + 2

Diameter ...						6					
Height						20					
Altitude ...						99					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. 10 mos.
January ...						2.35	.74	2.09	1.08	3.36	7.27
February ...						2.89	3.69	.44	1.22	2.09	7.42
March64	3.76	1.50	.75	3.64	9.65
April73	.66	1.08	1.05	1.05	3.84
May						1.20	2.47	1.60	2.01	.95	7.03
June.....						1.18	1.02	1.71	.28	50	3.51
July						3.74	.84	.85	3.64	3.66	8.79
August.....						3.36	1.31	3.57	1.01	2.50	8.39
September ..						.74	.90	.62	5.08	1.84	8.44
October ...						1.04	2.00	2.19	.97	2.70	7.86
November..						2.61	2.90	.92	1.06	1.53	6.41
December...						6.25	2.14	1.00	2.54	3.53	9.20
TOTALS ...						26.73	22.43	17.57	20.69	27.12	87.81

No object higher than gauge reaching 200 ft

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance..	Direction..
53.25½	1.24.		Wincobank Tinsley & Cawood	¾ m , 9m	W SW	Kimberworth	¾ m	W

RAINFALL at Kincobank Sewage WorksCounty of W. R. Yorkshire Observer J. Haworth Esq.River Basin Cuse - Don 7Hyetograph M.B. Rain Gauge, by N. Dyer
& M.O.

Diameter ...	8	'								5"		
Height	2	0										
Altitude ...	99				90							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	1920-30 Totals
January ...	2.97	2.31	2.85	0.59	1.47	2.48	2.12	1.15	4.58	1.31	3.68	25.43
February ...	2.66	.20	2.07	4.07	1.08	3.21	1.42	1.30	2.87	.71	.71	20.30
March	1.68	.87	1.53	1.32	.81	.67	.75	1.93	2.49	.03	2.40	14.48
April.....	3.61	.63	3.39	1.87	1.47	2.36	1.11	1.91	0.92	.97	2.67	20.91
May	3.10	.96	.52	2.56	3.23	3.23	2.42	.88	1.39	1.29	1.35	20.93
June	2.38	.30	.76	0.47	1.65	.11	2.91	2.97	2.53	1.13	.67	15.88
July	4.63	.18	2.41	5.04	2.25	.91	1.79	2.01	0.55	.93	6.66	27.36
August59	4.27	5.72	2.13	2.43	2.31	2.61	4.17	2.63	1.51	2.22	30.59
September...	.90	.60	2.14	1.66	2.69	2.09	.81	3.12	0.22	1.43	3.86	19.52
October.....	1.73	1.45	.85	1.28	3.08	2.71	2.21	1.94	3.94	2.62	2.10	23.91
November...	.80	1.71	.91	3.40	1.55	1.70	3.15	2.27	2.64	5.11	3.17	26.41
December...	2.41	2.77	3.07	2.11	2.30	2.45	1.01	2.03	1.85	5.17	2.05	27.22
TOTALS...	27.26	16.25	26.22	26.50	24.01	24.23	22.31	25.68	26.53	22.21	31.54	272.94

1920 no object higher than gauge within 300 ft
g near sewage filter

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 from gauge
1920	53° 25' 1" 24'		Kincobank	3/4 mi	W	Thimberworth	3/4 mi	NW

RAINFALL at Wincobank (Sewage Works)

County of West Riding

Observer: J. Hanworth, Esq., died 1934

River Basin Ouse Don - 7

J. H. Edmondson Esq.

Type of Gauge M.O. (+A) (1928)

✓ B.A. 1940

Annual Average 23.2 in. based on 15 years obs. un-weighted. Period of average 1931-1935 Ref.

743105/27

Diameter	5.											
Height	2.0.		16.				1' 6"					
Altitude	90.		110				110'					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		1931-40 Means TOMS
January	1.90	1.53	1.91	2.07	1.17	2.53	4.24	2.61	4.44	2.02	24.65	
February	1.86	.26	3.19	.62	3.10	2.99	3.41	1.01	1.04	1.92	19.39	
March	.10	1.33	2.59	2.31	1.37	1.80	2.81	.19	2.44	1.78	16.42	
April	2.73	2.32	1.55	2.21	2.14	1.41	2.11	.12	1.63	2.53	18.75	
May	2.47	6.42	1.96	.90	.39	1.38	2.95	2.09	1.74	.81	21.13	
June	4.31	.45	0.92	.93	2.59	3.45	1.28	1.84	2.35	.62	18.74	
July	4.47	3.10	1.43	1.33	.65	3.34	2.78	3.64	3.18	2.90	26.82	
August	4.83	2.37	0.47	1.01	2.38	1.19	.25	2.88	1.95	.19	17.52	
September	3.32	1.47	1.80	1.26	3.58	2.54	1.62	2.16	2.04	.83	20.63	
October	.52	3.25	5.43	1.67	3.29	2.36	3.13	3.41	2.97	4.02	30.05	
November	3.16	1.89	1.63	1.75	4.92	3.09	2.16	2.90	3.86	5.68	30.54	
December	.70	.97	0.43	4.13	2.94	2.27	3.76	3.07	2.04	1.83	32.11	
TOTALS	30.37	24.85	23.31	20.19	28.52	28.35	30.50	25.92	29.64	25.13	266.78	
	D	D	D	D	D	D	D	D	D	D		

1934. Building 30' high 50 yds. S.W. Railway track 10' high 50 yds. N.

1939. months amended due to reading to 3 dec. places.

Old 20.5.53.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931.			Wincobank	3/4 mile	W.	Kimberworth	1 m	N.E.

Station No. 3130

RAINFALL at Wincobank (Sewage Works)

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County of West Riding, Yorkshire. Observer J.H. Edmondson Esq.

River Basin Ordnance Don 7

Type of Gauge B.A.

Annual Average 23.2 in. based on 15 years obs. un-weighted. Period of average 1881-1916. Ref. S.

File No. 743105/21

Diameter	5"		083	149								
Height	1' 6"				1							
Altitude	110'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means	Total
January	3.36	2.48	3.78	2.88	2.04	2.83	2.20	4.92	1.76	.84	26.09	
February	2.71	.78	1.00	1.28	1.63	2.58	1.03	1.36	.81	4.16	17.33	
March	4.24	1.66	.67	.39	.46	1.05	3.80	.81	1.00	.78	14.86	
April	1.54	.93	1.59	1.96	1.18	1.06	2.50	1.17	2.18	2.84	16.45	
May	2.08	2.83	2.15	1.86	2.39	2.21	1.74	1.20	1.12	1.32	18.90	
June	.08	1.10	1.18	2.00	2.46	3.18	2.76	2.01	.47	.87	16.11	
July	3.59	1.81	.76	2.33	1.51	2.95	2.02	1.02	2.85	1.22	20.06	
August	2.11	3.93	1.66	2.52	2.17	3.57	.52	4.07	1.49	2.44	24.48	
September	.38	1.19	2.70	3.23	.60	3.39	1.04	1.14	1.13	2.88	17.38	
October	2.89	1.95	1.65	2.63	4.49	1.10	.44	1.16	2.50	.71	19.52	
November	3.38	1.43	1.91	4.65	.27	5.36	1.65	.84	3.26	3.98	26.68	
December	.76	1.42	.92	1.89	1.49	2.64	2.01	3.10	2.31	1.42	17.96	
TOTALS	27.12	21.51	19.97	27.62	20.69	31.92	21.71	22.80	19.88	22.60	235.82	

1941 Building 30 ft. high 50 yds. S.W. Railway track 10 ft. high 50 yds. N.

1944 Note on 10 yds support check kept.

Position of Station on reduced Ordnance Survey Map, No. of Map
1 mile to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge.
1941			Wincobank	7 m.	W.	Kimberworth	1 m.	N.E.

Station No. 3130

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RAINFALL at Wincobank (Sewage Works)

County of West Riding Yorks. Observer J. H. Edmondson Esq.

River Basin. River Don - 7

Type of Gauge. B.R. M.O. (A.R.S) 10

Annual Average 23.0 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. S
" 24.41 " 41 " within 1916-59 " " 1916-50
File No. 24310527

Diameter	5"			083	149							
Height	1' 6"					1' 0"	10.9"					
Altitude	110'					51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	2.07	2.71	1.42	1.64	1.82	4.11	.93	2.58	2.58	4.79	23.65	
February	3.06	3.32	1.83	2.30	2.35	1.26	2.01	3.71	.04	2.46	19.40	
March	2.52	1.48	1.06	1.55	3.01	.77	1.25	1.59	.96	1.75	15.94	
April	.76	1.44	1.84	.22	.26	2.51	.07	.42	2.61	0.66	10.79	
May	2.94	1.58	1.42	3.78	2.69	.39	.79	2.19	.75	1.31	14.84	
June	.43	1.18	1.33	1.36	2.37	2.62	1.46	5.06	1.42	0.87	18.10	
July	1.02	1.66	2.57	1.45	.67	4.20	2.62	4.72	.86	2.88	22.65	
August	4.54	1.08	1.72	7.00	.36	4.88	3.93	2.88	.67	3.64	30.70	
September	1.25	1.46	1.17	1.49	.74	2.69	3.60	2.41	0.00	4.06	18.87	
October	.88	3.59	1.84	2.55	1.64	.96	.95	1.55	1.70	5.84	21.50	
November	5.74	1.33	1.37	4.51	2.04	.53	2.18	.55	3.31	3.55	25.11	
December	2.16	1.39	.93	2.64	2.29	3.01	2.09	3.15	2.88	2.53	23.07	
TOTALS	27.37	19.22	17.50	30.49	20.24	27.93	21.88	30.87	17.78	34.34	247.62	
	D	D	D	D	D	D	D	D	D	D		

1951. Buildings 30' high 50yds. - Railway track 50yds. N.W.

1956 Note:- Power station cooling towers adjoining works. These cause condensation which may sometimes register as "frost". moved from 43/394291614 to 43/3953191700

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 3K (43) 378917

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Wincobank Meadowhall 1/3m SW.		Wincobank	1/2m W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19 BS	1920-30 BS	1931-40 BS	1941-50 BS	1951-60
	C 1915	✓	✓	✓	✓