

# RAINFALL AT Otley Savage Farm

Lat. ....

Lon. ....

County of York W.R. Northern

Rain Gauge, by .....

Observer

J. L. Barker Esq.  
C. F. Hodgson Esq.

Wharf - 10.

Diameter ..	5										
Height ....	0	9									
Altitude ...	169	7									
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.26	2.30	1.42	1.90	2.40	.61	3.83	1.23	1.36	1.30	1.961
February ..	5.31	1.23	1.18	2.69	3.65	1.39	2.08	1.57	1.36	.48	2.094
March ....	.42	1.76	1.08	3.90	1.82	2.21	2.09	2.04	2.92	3.41	2.165
April .....	1.52	2.53	1.43	1.45	1.40	2.01	.53	1.32	1.94	2.55	1.668
May .....	1.45	.90	2.65	3.43	2.58	.56	2.24	3.32	2.31	1.39	2.083
June .....	3.40	1.16	1.90	1.81	1.45	1.67	1.14	4.28	.62	2.37	1.980
July .....	2.72	1.26	2.36	4.02	2.98	1.15	2.03	2.72	3.03	3.05	2.532
August ....	4.83	1.23	3.07	3.00	3.63	4.11	2.88	1.71	1.75	2.60	2.881
September ..	.55	.91	1.15	4.07	.97	1.52	.63	.86	3.20	1.85	1.571
October ....	3.73	1.89	3.12	8.14	.64	1.96	4.11	5.99	1.55	1.81	3.294
November ..	3.08	4.00	2.01	1.55	2.24	4.17	3.28	2.36	1.68	.73	2.510
December ..	3.31	4.10	2.29	1.42	1.80	.30	2.33	4.07	1.78	4.04	2.544
TOTALS ..	33.58	23.27	23.66	37.38	25.56	21.66	27.17	31.47	23.50	25.58	27.28

1900 Otley Church 1200 yards N.E.

Hedge 10 ft high 156 ft S

Otley Station 1500 yds N.E.

Rejected from Survey: H. too bad.

RAINFALL at Otley Sewage WorksCounty of W. Yorksh.Observer E. F. Hodgson EsqRiver Basin Case Wharfe 10J. E. Davies Esq

Symons Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	0 9					1 0					
Altitude ...	169 ft					172					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.05	.79	4.22		1.31	2.89	1.32	2.67	2.36	2.89	
February ...	2.18	2.23	1.93		1.52	3.57	4.17	.45	3.08	1.48	
March .....	.38	1.67	3.33		2.43	.72	3.26	2.26	.98	4.41	
April .....	2.02	.85	.26		.82	.84	1.59	1.29	.94	1.43	
May .....	1.44	1.13	2.43		.92	1.46	2.78	1.86	2.96	1.43	
June .....	2.19	2.31	5.29		2.29	.49	2.62	2.06	.61	1.01	
July .....	2.11	.36	4.55		3.40	3.66	2.57	1.13	4.71	2.42	
August .....	3.50	2.16	6.14		1.68	2.82	2.01	5.13	2.14	1.23	
September ..	.07	2.55	1.56		1.32	.45	2.06	1.10	6.46	.94	
October ...	3.02	2.22	3.02		2.22	1.42	4.81	4.11	1.90	2.96	
November ..	3.46	2.45	1.82		4.01	2.10	2.62	2.31	1.13	1.99	
December ...	2.51	4.63	2.63		5.68	6.53	2.03	1.55	8.34	4.40	
TOTALS ...	25.96	23.35	37.18	N.R.	27.60	26.95	31.84	26.95	32.61	29.69	
	<u>d</u>	<u>2</u>	<u>3</u>			<u>7</u>	<u>7</u>	<u>7</u>	<u>3</u>	<u>d</u>	

1914 Building 14 ft high 30 gals 50

Rejected from Survey : 4" too Low.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54	1.75	Otley	1712 40 yds 1500 yds	NE	Otley	1500 1200 yds	E NE

RAINFALL at Olley Sewage WorksCounty of N. Yorks.Observer C. F. Hodgson Esq. C.E.River Basin Guse Wharfe 10Summer of 1929Symond Rain Gauge, by  
M.O.

Diameter ...	5											
Height .....	1	0										
Altitude ...	172											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Middle
January ...	3.48	4.11	3.59	1.59	1.99	2.10	2.82	2.22	5.05	1.82	4.18	
February ...	2.11	1.5	3.00	4.88	.81	4.67	2.13	1.19	2.50	.71	.79	
March .....	2.30	1.56	1.73	1.50	1.30	.83	.92	1.89	2.99	.45	2.08	
April .....	3.39	.91	3.08	2.34	1.82	2.68	1.37	2.04	1.44	1.16	2.61	
May .....	3.53	1.07	.97	2.92	3.91	3.83	2.18	1.51	2.19	1.35	1.19	
June .....	2.29	.04	1.07	.48	2.18	.02	3.66	2.36	4.92	.82	2.22	
July .....	5.78	1.83	4.09	3.54	3.37	1.01	2.36	4.46	.58	2.67	5.22	
August .....	1.94	3.84	4.68	2.76	2.38	2.13	2.29	6.59	7.49	1.69	3.25	
September...	1.20	.92	2.82	2.99	2.90	2.52	1.52	3.39	.30	.25	3.93	
October .....	2.46	1.72	.68	2.71	3.02	3.13	3.47	2.15	4.48	2.82	2.44	
November...	1.44	2.69	1.11	2.69	2.18	2.04	4.99	2.54	3.39	4.09	3.67	
December...	2.55	3.15	3.39	2.96	3.04	3.11	.93	3.01	2.00	5.92	2.81	
TOTALS...	32.47	21.99	30.21	31.36	28.90	28.07	28.64	33.35	32.43	23.75	34.39	

1920 Building 14 ft high 30 yds SW

1930. In open field.

Rejected from Survey: 14" too low.

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

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 17'	1° 75'	Olley	1 mi 200 yds	NE	Olley	1500 yds	12



## RAINFALL at Otley (Sewage Works)

County of West RidingObserver C. F. Hodgson, Esq., C.E.River Basin Ouse - Wharfe - 10

Type of Gauge

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

Diameter	5										
Height	1.0										
Altitude	172										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.64	2.19	1.43	1.40	1.13	3.49	2.77	2.24	4.21	2.40	
February	2.21	.37	4.16	.16	2.97	2.20	4.69	1.34	2.53	1.62	
March	.40	1.88	1.64	2.40	.97	2.09	2.77	.15	1.82	1.73	
April	3.11	2.24	1.51	3.62	2.14	1.37	2.70	.14	1.05	2.89	
May	2.46	4.33	4.38	1.34	1.00	1.61	2.49	3.27	1.09	.97	
June	6.18	.67	1.76	1.48	2.64	4.28	2.07	2.75	1.96	.29	
July	4.30	3.90	1.94	1.43	.45	3.15	1.74	3.17	6.24	3.24	
August	4.19	.83	0.43	1.42	1.43	2.06	.56	2.75	1.44	.51	
September	4.30	2.27	2.24	2.06	5.14	2.28	1.33	2.26	1.25	2.05	
October	.93	3.58	3.54	2.71	5.34	2.21	2.20	4.77	2.73	3.24	
November	3.91	1.55	2.85	1.63	4.73	3.36	1.66	3.46	4.34	3.95	
December	.91	.99	0.55	4.46	2.52	2.00	2.19	4.03	1.86	2.12	
TOTALS	35.09	24.80	26.43	24.66	30.47	30.10	27.17	30.33	30.52	25.01	
	d	2	=	n.p. low	n.p. low	2 n.p. n.p.		n.p. 3	n.p. D	D. n.p.	

Inspected 14/6/34. B.A. type gauge site bad. Recommended standard gauge + new site selected.

19/3/35 better vent, no low total.

1936 not printed low.

1937 n.p. low.

1938 n.p. low.

1939 n.p. low.

1940. n.p. low, Jan. cond. for cur.

Reported from survey as 4" too low letter sent 16/8/33

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			Otley	1m 24 yds	NE	Otley	1506 yds	E

Station No. 3316

RAINFALL at Okeby (Sewage Works)

41

County of Yorks W.R.

Observer C. F. Hodgson Esq. C.E.

River Basin Ouse Wharfe - 10

J. A. A. Pratt Esq. (Retd.) C.E.

Type of Gauge

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

File No. 270921/33

Diameter	5"		062	901				5 1/2"			
Height	1' 0"			1				1' 7 1/2"			
Altitude	172			41				172'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.66	2.90	3.47	3.81	3.47	3.27	2.29	6.62	1.04	1.60	
February	2.54	.77	1.24	1.10	3.36	3.59	(3.52)	1.62	1.44	4.47	
March	3.63	1.34	.58	.20	.72	1.23	(5.11)	1.20	.85	.91	
April	1.78	1.33	1.38	2.47	1.81	1.36	2.75	2.15	2.31	2.32	
May	1.25	2.90	2.13	1.25	2.88	2.06	4.10	1.01	1.66	1.53	
June	.25	.92	2.06	1.81	2.65	1.78	2.84	2.83	.94	.48	
July	2.02	1.87	1.64	3.51	1.96	4.20	3.17	1.17	2.41	3.15	
August	3.20	2.39	2.55	2.87	3.12	4.68	.38	3.77	2.23	4.98	
September	.40	1.68	3.05	4.61	1.92	5.09	1.43	1.71	1.05	3.11	
October	3.64	2.19	2.08	2.80	4.76	1.03	1.18	1.04	3.40	1.58	
November	2.60	1.31	2.32	4.51	.34	5.46	2.53	.94	4.07	3.50	
December	.80	1.78	1.44	3.42	2.21	2.11	2.51	2.65	3.86	1.26	
TOTALS	24.77 n.p.	21.38 n.p.	23.94 D	32.36 D	29.20 D	35.86 D	31.81 D	26.71 D	25.25 D	28.76 D	

1941 n.p. low. 1942 n.p. low.  
1947 Feb. min. gauge raised 1 ft 3 in.

30004

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.
1941			Okeby			Okeby		

Station No. 3316RAINFALL at Otley (Leisure Works)

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County of West Riding - YorksObserver J. O. D. Pratt Esq. C.F.River Basin Ruse - Wharfe - 10

Type of Gauge.....

Annual Average 28.5 in. based on 12 years obs. un-weighted. Period of average 1881 - 1915 Ref. S.W.S.File No. 270.921/33

Diameter ...	5"										
Height ...	1'7½"										
Altitude ...	172'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.65	3.00	.35	2.16	1.35	3.89	1.65	2.37	2.56	4.37	
February ...	2.95	.44	1.70	2.28	1.58	1.08	2.64	3.76	.07	2.04	
March ...	3.27	1.39	.66	1.48	2.04	.95	1.75	1.58	1.36	1.74	
April ...	1.18	1.67	2.35	.21	1.09	2.52	.24	.53	2.73	1.14	
May ...	4.57	1.93	1.21	3.55	2.86	.77	1.17	3.77	.85	0.98	
June ...	.77	1.93	1.98	1.58	1.45	2.64	1.39	2.97	1.58	0.84	
July ...	2.22	1.19	3.02	1.23	1.07	4.14	2.59	3.06	2.10	3.72	
August ...	5.18	3.65	4.15	5.87	.97	5.47	5.14	2.40	.61	2.86	
September ...	2.30	2.87	1.87	2.59	.98	4.06	4.23	3.40	.05	3.02	
October ...	1.03	3.15	2.02	4.10	1.95	1.32	2.73	2.28	2.75	4.86	
November ...	7.07	1.71	2.91	4.58	2.21	.45	1.55	.65	3.76	5.95	
December ...	3.19	2.20	1.04	3.19	3.99	2.86	3.32	3.89	5.92	3.27	
TOTALS ...	36.38	25.13	23.25	32.82	21.54	30.15	28.40	30.66	24.34	34.79	
	D	D	D	D	D	D	D	D	D	D	

Annual 28.80 in. based on 39 yrs. obs. within 1916-57. 2" low. Period of av. 1916-50-5 - Rejected!  
 Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SE(44) 22461

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951.			<u>Atterby</u>		<u>Atterby</u>	

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19 <u>33</u>	1920-30 <u>33</u>	1931-40 <u>33</u>	1941-50 <u>33</u>	1951-60
	10-12, 14-19 ✓ but -14, 19	✓ ✓ but d 21, 25	✓ np 34-40 ✓ but d 41	✓ np 41-42 ✓	