

RAINFALL AT Otley Sewage Farm
 Lat. Lon. County of York W.R. Northern

Wharfe - 10.

Rain Gauge, by

Observer

J.H. Parker Esq.

C. F. Hodson Esq.

Diameter ..	5										
Height ..	0	9									
Altitude ..	169	ft									
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	1.86	1.80	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	27.283

D D D D D D

H.W.S.

1900 Otley Church 1200 yards N.E.

Hedge 10 ft high 156 ft S

Otley Station 1500 yards N.E.

Referred from Survey : 4° too low.

RAINFALL at Otley Sewage Works

County of W.R. Yorkshire

Observer C. F. Hodgson Esq

River Basin Aire & Wharfe 10

J. E. Davies Esq

Sycamore 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 ...	3.08	.79	4.22		1.31	2.89	1.82	2.67	2.36	2.89	
February ...	2.18	2.23	1.93		1.52	3.57	4.17	.48	3.08	1.48	
March38	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	1.42	
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	1.83	
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	6.82		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	5.34	4.40	
TOTALS ...	25.96	23.35	37.18	N.R.	27.60	26.95	31.84	25.95	32.61	29.69	
	D	D	D		D	D	D	D	D	D	

1914 Buildings 44 ft high 30 yards S.W.

Rejected from Survey : 44' too low.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
54	1.75	Otley		1m 240 yds 1500 yds	NE	Otley	1600 1200 yds	NE

RAINFALL at Otley Sewage Works

County of W. R. Yorkshire

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

River Basin Guse Wharfe 10

Surveyor G. R. Gray.

Symbol Rain Gauge, by
4.0.

Diameter ...	5"											1930 MILLIMS.
Height	10											
Altitude ...	172											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
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	1.15	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	2.161	
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	5.58	2.67	5.22	
August	1.94	3.84	4.68	2.76	2.38	2.13	2.29	6.59	5.49	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	4.18	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	32.23	23.75	34.39	

1920 Building 14 ft high 30 yds SW

1930. In open field.

Repealed from Survey : it 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	Parish Church.	Distance from gauge
1920	54° 17'	1° 75'	Otley	1 mile NE	Otley	1500 yds E	

RAINFALL at Otley (Sewage Works)

County of West Riding

Observer 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	.87	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	1.61	3.62	2.14	1.37	2.70	.14	1.05	2.89		
May	2.46	4.83	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	1.42	2.06	.56	2.75	1.44	.51		
September	4.80	2.27	2.24	2.06	5.14	2.28	1.33	2.26	1.25	2.05		
October	.98	3.68	3.54	2.71	5.34	2.21	2.20	4.77	2.73	3.24		
November	3.91	1.55	2.85	1.68	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	2	2	2	2	2	2	2	2	2	

discrepancy 14.6/34. SA type gauge site back. Recommended standard gauge + new site selected.

1931 letter sent re-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 curr.

Reported for January as 44 too low. Letter sent 16/9/33.

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	Parish Church.	Distance from gauge	Direction
1931			Otley	1m240yds	NE	Otley	1506yds	E

Station No. 3316

RAINFALL at Okey (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. F.R.S., 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"			
Height	1' 0"			1			1' 7½"			
Altitude	172			41			172'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	2.66	2.90	3.47	3.81	3.47	3.27	2.29	6.62	1.04	1.80
February	2.64	7.77	1.24	1.10	3.36	3.59	(3.52)	1.62	1.41	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	1.26	2.90	2.13	1.25	2.88	2.06	4.10	1.01	1.68	1.83
June	.26	.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	3.38	3.77	2.23	4.95
September	.40	1.68	3.05	4.61	1.92	5.09	1.43	1.11	1.05	3.11
October	3.64	2.19	2.08	2.80	4.76	1.03	1.18	1.04	3.40	1.88
November	2.60	1.31	2.32	4.51	.34	5.46	2.53	.94	4.07	3.60
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 a mon. per used yet snow

30004

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
1941			Okey			Okey	

BRITISH RAINFALL ORGANIZATION

Station No. 3316

RAINFALL at O'Hey (Sewage Works)

County of West Riding - Yorks.

Observer J. C. H. A. D. Pratt Esq. C.F.

River Basin. River - Harfe - 10

Type of Gauge.

Annual Average 28.5 in. based on 12 years obs. un-weighted. Period of average 1901 - 1915 Ref. S.W.S.

File No. 270.921/32

51

Diameter ...	5"		062	901							
Height ...	1'7½"				1						
Altitude ...	172'				51						
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	4.5	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	

An. av. 28.80 in. based on 39 yrs. obs. within 1916-57. 2" less. Period of av. 1916-50-5 - *Rejected*.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE(4) 312461

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951.			Oatley		Oatley	

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	10-12, 13-19 ✓ ✓bnd + 14, d19	✓	Jnp 3+40 ✓bnd 21, 25	Jnp 4+1-42 ✓bnd + 11	✓