

RAINFALL AT *Wrexham Pack saddle*

Lat. $53^{\circ}1'7''N$

Lon. $3^{\circ}2'5''W$. County of

Denbigh

Rain Gauge, by *Cassella*

Observer *F. Storr*

See - 1.

Diameter....												
Height									5			
Altitude									9			
									370 ⁺			
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January						(3.04)	(1.06)	(5.45)	(2.82)	1.12.		
February. ...						(1.45)	(2.49)	(2.25)	(1.32)	2.63		
March						(1.02)	(4.29)	(2.48)	(1.56)	1.87		
April						(.75)	(2.66)	(3.90)	1.70	3.65		
May						2.11	(.22)	(3.03)	5.63	1.75		
June						(2.46)	(1.54)	(.78)	3.19	6.57		
July.....						(4.16)	(1.76)	(3.34)	1.35	4.43		
August						(2.66)	(4.63)	(5.20)	5.26	5.78		
September ..						(6.25)	(4.77)	(.82)	2.09	2.48		
October						(5.48)	(3.45)	(3.11)	4.77	1.25		
November ..						(3.76)	(5.03)	(4.61)	3.82	1.15		
December ..						(1.04)	(5.70)	(1.96)	3.17	1.37		
TOTALS ..	(2670)	(2850)	(52.80)	(2679)	(29.50)	34.18	38.10	36.93	36.98	34.05		

1878 Hedge & a few trees about 100 yds distant

1879 Wrexham church $2\frac{1}{2}$ miles N.E. & E

Gauge on Reservoir Bank.

Jan 1875 - Mar '78 roughly estimated by taking $9\frac{1}{2}\%$ of Plus River
 an totals 1870-78 - computed from Plus River $\times \frac{9}{100}$.

RAINFALL AT Wrexham Peck Saddle Res.

Lat. 53° 1' 7" N.

Lon. 3° 2' 5" W. County of Dent

Rain Gauge, by _____

Observer F. W. Storer, Esq.

Dec - 1 -

Diameter	58										
Height	0.9										
Altitude	370 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	25	.61	2.27	4.94	3.43	1.19	3.86	2.74	1.27	.78	2.134
February	2.07	3.82	2.06	2.94	3.89	3.10	4.4	.73	1.24	2.37	2.316
March	1.48	3.22	2.02	1.63	3.26	1.02	2.12	1.74	1.70	2.50	2.069
April	2.12	1.11	3.93	.82	1.40	2.26	1.86	.93	1.17	5.13	2.073
May	2.49	2.80	1.59	1.83	1.10	2.41	9.08	2.51	.97	2.62	2.740
June	4.28	2.09	3.72	2.57	2.04	2.26	1.64	1.31	3.60	.70	2.421
July	7.08	1.72	4.18	2.09	3.26	.83	2.12	1.87	5.88	2.67	3.170
August	1.99	4.18	2.85	1.52	.94	1.82	1.06	1.97	3.03	3.38	2.274
September....	2.77	1.73	1.58	4.03	1.80	3.37	1.99	2.70	1.02	2.28	2.327
October	6.26	3.45	3.82	3.17	1.26	7.58	5.12	4.04	1.89	4.04	4.063
November....	3.32	3.81	5.06	3.69	2.57	2.99	2.24	1.79	6.12	2.13	3.366
December	5.72	3.07	3.80	1.55	2.61	1.39	5.59	2.65	2.78	2.42	3.158
TOTALS	39.83	31.61	30.88	30.78	27.50	30.22	37.62	24.98	30.67	31.02	32.111

1880. Wrexham

2 1/2 miles

N.E. by E.

RAINFALL AT

Wrexham Pack Saddle Reservoir

Lat. _____

Lon. _____

County of _____

Denbigh

Rain Gauge, by _____

Observer _____

F. Stor G.

Dec - 1.

Diameter	5											
Height	0.9											
Altitude	370 A											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.36	1.75	2.46	1.58	2.66	3.89	.90	2.43	1.08	4.52	2.662	
February	1.00	.06	1.86	4.20	1.86	.00	.82	2.24	2.86	2.73	1.763	
March	1.46	1.95	1.24	.70	1.32	2.77	3.74	3.50	.87	1.45	1.900	
April	1.46	2.47	1.21	.90	1.75	2.39	1.40	2.37	2.09	2.79	1.883	
May	2.88	4.26	2.45	1.56	3.26	.66	.30	1.13	4.43	2.52	2.8451	
June	2.43	5.39	2.50	1.66	2.12	2.94	2.74	3.32	1.61	3.02	2.773	
July	2.20	2.76	2.92	3.25	2.98	4.01	1.88	.58	.77	1.97	2.332	
August	3.90	4.73	2.77	2.53	3.04	1.90	1.44	3.09	3.81	.93	2.814	
September	1.15	3.87	2.47	1.91	1.09	1.26	5.76	2.71	1.31	2.33	2.386	
October	2.30	4.44	6.37	1.65	4.02	4.19	4.74	1.64	5.37	3.68	3.840	
November	7.54	3.03	2.02	1.95	2.85	5.46	1.39	3.19	1.80	2.26	3.149	
December	1.06	4.59	2.09	4.37	2.60	2.82	3.77	3.61	3.41	2.02	3.034	
TOTALS	32.74	39.30	30.36	26.26	29.55	32.29	28.88	29.81	29.41	30.22	30.882	

1889 —

101 4290
RAINFALL AT Wrecharn Park Saddle Reservoir

Lat. Lon. County of Denbigh

Rain Gauge, by Observer F. Barr Esq. Ch.

See - 1.

Diameter ..	5										
Height	0 9										
Altitude ..	370 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.34	3.19	1.70	4.17	3.50	1.19	4.49	1.42	2.22	2.41	2.764
February ..	4.31	1.07	1.73	2.64	3.64	1.44	2.92	1.74	2.07	1.53	2.309
March	1.33	3.33	1.47	6.58	1.69	3.71	1.63	2.04	4.17	2.52	2.848
April	2.13	2.48	2.28	1.93	1.23	2.60	.82	1.67	3.49	2.57	2.1210
May	2.01	1.33	3.61	4.40	1.89	.80	2.50	2.97	3.13	1.10	2.374
June	1.51	2.29	1.60	1.41	1.11	2.11	.88	4.04	2.89	4.15	2.199
July	1.73	3.94	1.56	2.88	1.69	3.40	1.13	2.25	3.32	2.55	2.445
August	6.79	2.42	3.44	5.14	5.11	4.56	2.43	2.87	3.23	2.63	3.862
September ..	.56	.90	1.70	4.77	1.31	1.41	.99	1.01	5.04	2.95	2.064
October	4.21	3.20	4.53	9.03	1.49	2.17	6.30	6.75	2.69	4.31	4.468
November ..	3.23	3.55	2.30	2.84	1.95	3.61	3.16	2.92	2.63	.71	2.690
December ..	3.37	5.23	2.93	2.48	2.40	.84	4.29	2.93	2.59	5.80	3.286
TOTALS ..	34.52	32.93	28.85	48.27	27.01	27.84	31.54	32.61	37.48	33.24	33.429

H. 106

112

RAINFALL at Wrexham Park Saddle Res

10 43°0

County of Denbigh

Observer F. Storr Esq C.E.

River Basin Dee 1

Rain Gauge, by

Diameter ...	5												
Height	0.9												
Altitude ...	370 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	SUM	
January	2.46	.60	3.92	4.13	1.43	3.85	1.40	2.38	2.31	2.91	2.539	9.00	
February	3.37	1.90	1.65	1.68	2.54	4.15	3.48	1.14	2.76	2.52	2.519	9.90	
March	1.05	1.10	4.08	4.30	3.06	1.12	3.55	3.24	1.12	6.14	2.876	14.05	
April	2.48	.82	.61	4.69	1.03	1.40	2.19	2.06	2.22	2.85	2.035	9.32	
May	2.12	.85	2.44	2.54	2.09	2.75	3.94	3.27	3.50	1.18	2.468	11.89	
June	2.40	2.24	4.45	1.65	2.47	.91	2.03	2.05	1.98	1.68	2.186	7.74	
July	3.19	.64	2.29	1.27	4.05	3.79	2.07	1.66	3.32	1.69	2.399	8.74	
August	3.49	2.43	5.68	1.27	1.86	2.82	2.02	7.16	2.74	3.38	3.285	13.30	
September	.34	3.99	1.24	1.26	1.91	.43	2.81	1.07	7.19	2.33	2.257	12.46	
October	3.37	2.84	3.58	3.63	1.34	1.98	5.45	6.92	1.84	4.83	3.478	18.01	
November	6.29	3.90	2.68	2.70	4.25	4.30	4.28	3.76	2.34	2.10	3.660	12.48	
December	5.85	5.02	2.67	2.65	6.76	5.54	2.16	1.39	4.59	6.64	4.327	14.78	
TOTALS	36.41	26.33	35.29	31.77	32.79	32.04	35.38	35.10	35.91	38.25	3.4027	140.44	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Wexham w.v. (Park Saddle Basin.)County of DenbighObserver J.A. Davies d. 1940River Basin 1-DeeThe Secretary & Manager

Type of Gauge

Annual Average 38.0 in. based on 25 years obs. un-weighted. Period of average 1911-1935Ref. Ref. D.677674/26.

Diameter	5											
Height	0.9											
Altitude	376			370	370							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	<u>Means</u>	<u>1940</u>
January	3.12	3.50	2.86	2.62	1.92	4.83	3.92	4.74	6.37	2.92	3630	
February	3.16	.13	2.83	.24	3.08	3.33	5.82	1.23	2.38	2.57	2477	
March	.79	1.84	2.28	2.86	.87	2.51	2.26	.80	2.77	2.31	1929	
April	3.62	4.65	6.91	3.21	3.23	2.43	3.04	.29	2.59	3.56	2753	
May	4.11	4.23	1.77	1.71	1.58	1.36	2.35	3.12	1.54	2.53	2430	
June	4.85	.85	1.89	1.03	3.46	4.19	1.39	2.94	2.13	1.15	2301	
July	1.98	5.60	1.03	1.81	.86	4.64	2.08	3.92	5.88	3.50	3430	
August	6.76	2.13	1.16	3.38	1.48	.75	2.16	4.08	1.60	.43	2393	
September	4.49	2.37	0.90	1.47	5.41	3.63	1.18	1.39	.86	1.76	2346	
October	1.43	6.01	4.19	3.73	5.52	1.65	3.19	4.07	3.42	4.27	3748	
November	6.38	2.55	1.69	1.82	5.74	3.85	1.92	4.63	5.84	7.19	4161	
December	1.68	1.54	0.85	6.00	4.63	4.74	2.95	4.01	2.32	2.95	3167	
TOTALS	42.40	35.40	21.86	29.88	32.78	37.91	32.26	35.22	31.70	35.14	34558	K17.
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1940. Jan. adj. for snow.

✓

✓

✓

✓

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	Parish Church.	Distance from gauge	Direction

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 4290

RAINFALL at Wrexham W.W. (Pact Saddle Reservoir)

41

County of Denbigh

Observer The Secretary & Manager.

River Basin 1-Dee

The Engineer (1904)

Type of Gauge

Annual Average 32.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.S.N

File No. 677874126

Diameter	5				546	042						
Height	0 9					1						
Altitude	370					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	4.93	4.18	5.95	3.49	2.45	3.56	3.08	8.48	2.76	1.29	40.17	
February	3.60	1.68	2.31	1.50	2.38	5.39	3.25	2.68	1.46	6.10	29.80	
March	2.97	2.44	1.35	0.91	0.91	1.03	8.13	1.18	2.17	1.92	23.01	
April	1.18	2.36	1.72	0.98	1.59	0.86	3.90	2.36	3.75	4.20	22.90	
May	3.74	3.86	3.58	1.77	2.59	2.74	3.30	1.33	2.22	1.30	26.43	
June	1.14	0.19	3.16	1.73	2.55	2.55	2.42	4.51	0.56	0.96	19.77	
July	1.78	2.61	2.04	1.63	2.22	1.78	3.85	2.43	3.63	2.38	28.35	
August	3.32	3.64	1.94	2.13	1.93	4.79	0.42	4.10	1.70	4.34	28.31	
September	0.49	1.88	3.84	3.87	1.82	3.67	1.80	1.32	0.95	4.81	24.45	
October	3.10	1.62	3.59	4.88	4.92	2.06	0.61	1.68	5.43	2.65	30.54	
November	3.35	1.03	3.08	5.12	0.58	5.94	3.91	2.26	4.37	4.56	34.20	
December	1.73	4.21	1.94	2.44	3.32	3.76	2.37	4.87	3.35	2.72	30.71	
TOTALS	31.33	29.70	34.50	30.45	27.86	38.13	37.04	36.60	32.38	37.28	234.69	10

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

Station No. 4290 TF58

RAINFALL at Wharfedale W.D. (Pack Saddle Res.)

51

County of Denbighshire Observer Engineer

River Basin 1-Dee

Type of Gauge Mk. 1.9 (uninspection)

Annual Average 32.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. J. N.
34.91 - - - - - 1916-1950 1916-1950 P

File No. 677874/26 P

Diameter ...	5"				546	042						
Height ...	0' 9"					1	1' 0"					
Altitude ...	370'					51	h					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	2.54	5.31	1.10	2.84	2.36	4.72	1.97	3.77	4.45	6.54	35.60	
February ...	3.50	1.19	1.62	3.23	2.63	0.49	3.32	5.85	0.47	4.15	26.35	
March ...	5.90	0.68	0.92	2.87	2.68	1.86	1.72	1.50	2.04	2.07	22.24	
April ...	2.02	2.01	2.56	.69	1.10	1.98	0.22	0.62	5.41	1.48	18.09	
May ...	3.38	2.78	2.37	2.82	4.06	0.64	1.87	2.41	1.98	2.02	24.23	
June ...	1.05	1.63	2.01	3.72	3.68	1.75	1.36	4.18	2.07	1.51	22.96	
July ...	1.99	2.13	2.75	2.43	0.21	3.89	4.41	4.14	2.26	2.17	26.44	
August ...	2.91	2.59	2.59	3.38	0.94	5.71	4.33	4.09	0.80	3.76	31.10	
September ...	2.67	3.17	3.69	3.13	2.11	3.31	8.49	4.28	0.14	4.73	35.72	
October ...	1.26	6.86	1.74	5.42	2.19	2.32	2.44	3.02	2.79	5.88	33.92	
November ...	6.86	2.74	3.04	7.81	2.63	1.44	2.22	2.22	4.29	6.66	39.91	
December ...	5.16	4.53	1.37	3.16	4.39	4.16	1.79	3.56	6.08	3.39	37.59	
TOTALS ...	39.24 D	35.62 D	25.76 D	41.50 D	28.94 D	32.17 D	34.14 D	39.64 D	32.78 D	44.36 D	354.15	10

1952 Eng. confirms gauge sound, no change in gauge, measure or site for many years.

Inspected 10.10.55. Gauge sound, found loose and tilted E. Unorthodox sit on top of covered service reservoir; reservoir about 100' diameter. Protected by trees, houses around reservoir. Recommended gauge to be fixed firmly.

Sept 1957. G. revised a found sound. H. of rim lowered from 1'3" to 1'.

Position of Station on Ordnance One-Inch map :

No. of Map 108

National Grid Reference FJ 305429

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
	-	1920-24 1925-27 D 1928 1929-30 D	D	D	