

RAINFALL at Sabden, Churn Clough ReservoirCounty of Central Lancashire Observer P. Radcliffe Esq.River Basin Ribble & C 1Rain Gauge, by W. 2 with 0.1Snarodun - Snarodun NZ (17.12.20)

Diameter ...												
Height												
Altitude.....												
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January.....	6.35	6.3	4.20	4.63	3.66	6.52	4.15	2.25	3.33			
February ...	4.67	4.20	5.2	1.95	2.10	5.76	4.70	73	4.10	4.11		
March	1.00	2.04	5.40	4.08	3.90	1.85	3.10	2.50	1.55	5.97		
April	3.80	1.30	93	5.83	67	2.38	3.30	2.04	1.12			
May	3.20	4.40	2.10	3.50	2.10	1.00	2.50	2.50	1.92	2.32		
June	2.32	4.45	6.20	2.42	2.60	60	2.60	2.70	3.56	1.89		
July	3.72	5.0	3.39	1.44	3.60	4.20	2.85	2.54	2.55	4.44	2.68	
August	6.89	2.05	6.29	2.07	2.30	3.00	3.55	5.88	4.74	3.99		
September...	22	4.00	2.25	1.89	2.06	85	2.60	3.18	5.98	4.64	3.99	
October.....	1.90	2.85	4.27	1.77	1.74	1.83	8.88	7.79	3.18	12.81	2.83	
November...	2.10	3.60	4.21	4.62	6.64	2.35	4.85	5.57	5.15	7.58	2.98	
December ...	5.42	7.10	4.87	3.05	7.60	7.20	3.45	3.18	3.38	3.44	3.37	
TOTALS ...	41.59	37.12	44.63	37.25	38.97	57.54	46.53	41.03	58.11	39.68		

Totals.

16.79

13.84

13.11

13.00

8.78

8.97

10.75

12.51

18.16

21.42

24.80

17.17

21.56

18.07

40.6

1917-18 cond for WD July 21 R. Radcliffe. 1905-1918 entered KH. 20 (recd. KH. 20)

effort correct to 6. but

After May 1917 Engood site near house. Snarodun B. after V. 17
moved 24. Nov 1918 200 yds E+ 17.12.20 CB. Much more exposed on S.W. slope to be moved i.e. 250 Observers
50 ft lower
slope, very fair open level ground. Possibly slightly open to S.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°50'30"	2°19'20"W	Radcliffe					

RAINFALL at Salden Churn Clough ReservoirCounty of GloucestershireObserver R. D. T. L. J. E. G. C.River Basin Ribble & C. 1J. W. G. T. L. J. E. G. C. (26)
H. Russell L.C. (29)
Water Eng. Salden1921 Sharnbrook Rain Gauge, by W. H. J.
(1930) M.O.

Diameter ...	5"											
Height	0.8	1.0										
Altitude ...	840	790										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means 1920	Totals
January	4.42	3.14	4.49	5.65	3.64	3.60	4.19	5.29	11.96	2.23	6.51	60.12
February	4.12	5.4	5.42	5.35	1.38	6.83	5.06	1.86	6.31	1.06	.65	38.58
March	3.94	4.07	2.66	1.55	1.59	1.99	2.75	3.79	2.82	1.56	2.27	28.99
April	5.14	1.76	3.76	3.99	2.09	3.21	1.86	3.85	1.55	1.35	2.93	31.49
May	5.61	2.66	1.97	4.89	6.53	4.24	4.35	1.69	1.20	2.89	2.49	38.52
June	2.45	1.09	3.30	1.58	3.21	2.1	3.22	3.80	6.14	2.37	4.12	31.59
July	7.56	2.88	5.59	5.74	4.65	2.71	3.29	5.30	3.08	4.54	5.47	50.81
August	2.69	6.78	6.42	6.68	7.68	5.27	5.09	7.68	8.28	6.95	3.46	71.98
September	2.64	2.63	4.29	6.27	5.02	4.19	5.26	8.53	1.51	2.29	3.87	46.50
October	1.54	4.60	9.26	6.61	4.61	5.27	5.33	4.81	5.95	6.13	7.28	53.05
November	2.48	2.39	2.65	6.99	4.39	2.86	7.53	5.22	6.79	8.04	6.80	55.64
December	2.67	7.58	5.18	4.66	4.87	4.39	2.65	1.54	3.31	9.13	3.47	48.95
TOTALS	45.26	45.12	46.65	59.66	49.76	44.27	50.58	53.36	58.90	48.54	54.32	556.22
	W	D	D	X	D	D	D	D	D	D	D	21/2

1920 Gauge inspected B.S. 17.XII.20. See last sheet

1921 House 20ft high, 120ft away S.W.

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	Parish Church.	Distance from gauge	Direction
1920	53° 50' 30"	2° 19' 20"	Padiham	3 1/2 mi	S	Salden	1 1/2 mi	S

RAINFALL at Sadden (Churn Clough Res.)County of Central LancashireObserver H. Russell, Esq., C.E.River Basin Ribble & C-1.Gannville Barry Esq., C.E.Type of Gauge M.O.W.R.C. Houston Esq. (1939)Annual Average 41.2 in. based on 20 years obs. un-weighted. Period of average 1881-1917 Ref. S

705 27/26.

Diameter	5.											
Height	1.0.											
Altitude	790.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	6.52	5.74	3.09	4.84	2.66	3.41	4.01	5.62	5.67	1.86		Total 43.42
February	5.68	2.9	6.05	4.8	7.66	2.25	6.01	2.23	4.34	3.51		37.10
March	7.1	3.22	3.27	2.34	1.65	2.60	2.13	2.11	2.43	3.31		23.77
April	2.92	3.26	1.70	3.78	2.95	1.21	3.41	1.20	2.62	3.16		26.21
May	2.45	5.76	2.38	4.08	1.32	1.23	2.65	3.61	1.78	1.18		26.39
June	7.46	1.45	1.78	2.89	3.86	5.45	3.60	4.90	4.38	.86		36.63
July	4.60	5.53	3.30	3.10	2.49	6.55	2.36	4.96	6.69	4.55		44.13
August	5.64	1.95	2.28	5.43	1.76	2.67	2.77	4.63	2.15	2.88		32.16
September	3.63	8.29	1.87	4.01	8.65	4.39	2.32	2.39	1.40	5.06		42.11
October	3.48	7.50	4.55	6.79	11.14	4.54	1.97	10.49	1.86	3.97		56.29
November	6.73	3.98	2.16	2.12	4.12	5.10	2.81	5.97	6.86	7.28		47.13
December	3.06	1.87	.82	5.80	3.08	5.35	2.32	5.25	4.66	5.73		38.04
TOTALS	52.78	48.84	33.25	45.66	51.34	44.30	36.86	33.46	45.04	43.35		455.38
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		48.4

House 20' high 120' 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			Padiham LMSR	3 1/2 m.	S.	Sadden	1/2 m.	S.

Station No. 2983

RAINFALL at Balden (Churn, Blunham Res.)

41

County of Central LancashireObserver J. Harrison Esq. (1942)River Basin Ribble & C-1Water Engineer BaldenType of Gauge M.O.Annual Average 41.2 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 70529/26

Diameter	5"			575	330							
Height	1'0"				1							
Altitude	790'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	.94	4.50	5.62	8.11	3.89	3.98	3.98	8.16	3.10	3.55		Total 45.83
February	5.61	1.77	2.84	3.60	4.54	7.34	.91	3.46	3.66	5.48		37.21
March	3.52	2.05	1.33	.88	1.89	1.37	8.48	2.55	1.85	2.16		26.08
April	2.39	1.48	2.74	3.00	2.55	1.64	3.72	2.76	5.01	3.25		28.54
May	2.91	2.22	2.34	4.41	3.82	1.08	2.22	1.12	2.84	1.77		24.76
June	.46	1.78	4.88	3.50	4.61	3.30	3.32	5.51	1.08	3.75		32.19
July	1.93	6.92	4.39	3.93	3.58	5.06	3.61	2.64	3.07	4.25		37.18
August	6.28	5.72	8.66	3.51	2.53	7.84	.25	4.50	3.10	10.02		52.41
September	1.25	3.83	4.57	7.13	2.56	8.73	3.99	4.90	2.00	8.23		47.19
October	6.32	8.91	4.43	4.84	6.56	1.27	.90	3.40	4.69	4.09		45.41
November	3.03	1.65	4.17	7.57	.58	6.92	7.35	3.38	5.53	7.28		47.46
December	4.02	4.62	2.63	4.28	2.30	4.85	4.11	2.98	8.37	3.18		41.34
TOTALS	38.46	45.45	48.60	54.76	39.41	53.38	42.84	45.36	44.33	57.01		489.60
	D	D	D	D	D	D	D	D	D	D		486

1941 House 20' high 120' N.

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			Balden	3 1/2 m.	S.	Balden	1/2 m.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 2983RAINFALL at Sabden (Churn Clough Res.)

51

County of Central LancashireObserver Walter Enginier, RadcliffRiver Basin Ribble & C-1Type of Gauge M.O.Annual Average 41.2 in. based on 20 years obs. up-weighted.Period of average 1881-1915 Ref. S47.58 " " 35 " " 1916-1950File No. 705291/26 P

Diameter ...	5"			575	330							
Height ...	1' 0"				1							
Altitude ...	790'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	4.72	5.51	2.16	4.75	2.54	4.72	4.79	3.40	3.09	6.79	42.47	
February ...	3.51	1.38	2.68	2.70	2.30	1.31	3.37	7.51	.80	2.97	28.83	
March ...	4.86	2.28	1.80	2.78	1.89	1.88	4.26	1.98	2.22	1.18	25.13	
April ...	2.71	2.82	3.11	.97	2.90	3.24	.72	1.44	2.24	3.15	23.30	
May ...	2.00	2.10	2.48	3.46	3.52	2.53	2.15	5.46	1.82	1.86	27.38	
June ...	1.53	3.51	2.72	3.46	3.95	2.42	2.32	5.71	3.51	1.38	20.51	
July ...	4.18	2.92	6.06	7.63	1.09	5.44	6.56	4.18	4.04	10.00	52.10	
August ...	6.64	7.29	6.43	8.13	1.10	11.69	6.06	5.21	.67	6.35	59.57	
September ...	4.18	4.89	4.49	6.61	3.17	4.59	7.19	5.25	.44	3.20	44.31	
October ...	1.23	3.47	2.00	8.64	3.47	2.78	7.49	4.22	6.02	4.22	43.54	
November ...	8.27	2.49	6.07	6.46	2.01	1.96	2.31	2.05	5.83	7.81	45.26	
December ...	8.75	4.74	2.56	6.69	7.81	4.72	6.39	4.45	7.66	5.64	59.41	
TOTALS ...	52.58	43.40	42.76	62.28	34.75	47.28	53.61	51.26	38.34	54.55	481.81	
	D	D	D	D	d	D	D	D	D	D		

1951 House 20' high at 120' N

1955 Rain days too low.

1956 Feb 27th applied over period 13th-27th.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference SD34786322

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Radcliff	3 1/2 m. S.	Sabden	1/2 m. S.

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
	✓	✓	✓	✓	
	-	D21-30	✓	✓	