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RAINFALL at Hammer, GredingtonCounty of FlintObserver Lord Kenyon R.C.V.O. W.G. RoopeRiver Basin Dee 1a. lower

Rain Gauge, by _____

Diameter ...	5											
Height	0	10										
Altitude ...	300											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means. Totals	1910-19 Totals
January ...	.80	3.69	3.00	1.61	3.43	1.11	2.33	2.36	1.96	7.76		
February ...	1.40	1.47	1.51	2.41	4.09	3.45	1.22	2.25	2.44	9.36		
March	1.18	3.45	4.67	3.17	.96	3.27	2.78	.94	5.27	12.26		
April .....	.78	.25	4.30	1.11	1.62	1.08	1.31	3.29	2.66	8.34		
May	1.06	2.96	2.97	1.94	3.08	2.66	3.40	4.40	.75	11.21		
June	1.52	4.16	1.05	2.08	1.59	1.62	3.09	1.96	1.33	8.00		
July .....	.36	2.43	1.86	3.71	4.01	2.14	1.25	5.49	1.87	10.75		
August	2.80	5.36	2.60	2.17	3.21	2.12	6.30	2.66	3.07	14.15		
September ..	2.34	.69	1.64	1.43	.75	1.75	1.03	5.66	2.43	10.87		
October ...	2.64	2.91	4.35	1.98	3.02	4.30	5.03	1.40	3.80	14.53		
November ..	2.94	2.62	2.56	3.23	3.73	3.60	2.15	.98	.67	7.40		
December ...	4.56	2.13	1.35	7.07	6.19	2.15	1.08	3.43	4.91	11.57		
TOTALS ...	22.38	32.12	31.89	31.91	35.68	29.25	30.97	34.82	31.16	126.20		

1911 cond for W.A.
1917 glass Hammer 15 ft high 12 ft 3

✓

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1917	52.57	2.50	Bethesda	39m	E	Hammer	19m	N

RAINFALL at Hammer (Gredington)County of HertObserver Lt. Nelson R.E.V.O.River Basin See 1N. G. Adgefor Lady KemptonSnowdon Rain Gauge, by _____

Diameter ...	5"												
Height	0.10					1.0							
Altitude ...	300												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1930	1930-30 Total	
January ...	3.27	3.61	4.01	1.95	2.42	2.42	3.06	2.72	4.65	1.52	5.01	34.64	
February ...	3.09	.36	3.19	4.67	.56	4.24	2.33	1.63	2.21	.66	.67	23.61	
March	4.64	1.67	2.32	1.67	1.07	.73	.44	2.83	1.92	.33	3.40	21.02	
April	5.25	1.32	2.54	2.37	2.63	1.47	1.59	2.59	1.59	.71	2.96	25.02	
May	5.64	1.59	.61	3.33	7.95	3.52	3.04	1.39	1.59	1.96	2.38	33.01	
June	3.13	.20	.67	.68	2.07	.11	1.81	3.99	4.19	2.30	.44	19.59	
July	5.70	.65	3.35	2.53	4.60	2.73	3.26	2.97	1.44	2.20	4.08	33.51	
August	1.74	3.68	2.67	2.93	3.51	3.58	3.26	5.44	3.65	2.81	2.96	36.22	
September...	2.25	.92	3.05	2.83	3.41	3.00	2.26	4.27	1.77	2.14	3.99	29.89	
October	3.03	3.20	.72	4.83	4.65	2.97	2.43	2.75	4.45	4.53	3.85	37.41	
November...	1.11	3.00	1.00	2.05	1.69	2.45	6.07	3.17	4.37	5.57	3.15	33.63	
December...	2.82	2.71	4.38	3.50	3.98	2.40	.62	2.17	2.58	5.93	4.26	35.25	
TOTALS...	41.67	22.91	28.51	33.34	38.44	29.63	30.17	35.92	34.41	30.66	37.15	362.81	
	D	D	D	D	D	D	D	D	D	D	D	96.4	

1930. G. read in winter 9.0 a.m.

" " summer 9.0

Position of Station on reduced Ordnance Survey } No. of Map _____
Map, 2 miles 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
1925			Bettisfield.	3 m	S	HAMMER	1 m	NE

RAINFALL at Hanmer (Gredington)County of Flint Observer Lady KenyonRiver Basin 1-DeeType of Gauge SnowdonAnnual Average 30.4 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. Sf 56459/36

Diameter	5.											
Height	1.0											
Altitude	300											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	1931-40
January	1.68	2.65	1.61	1.95	1.19	3.57	2.19	3.18	5.30	2.75	2667	
February	2.31	.14	2.35	.30	3.27	2.45	3.68	.40	1.96	2.80	1966	
March	.41	1.79	2.05	1.87	.66	2.22	2.07	.44	1.96	2.53	1600	
April	2.24	3.61	.79	2.50	2.22	1.39	2.27	.14	1.83	2.90	1989	
May	4.19	4.65	1.22	1.23	1.48	1.00	1.31	3.00	1.41	2.21	2170	
June	3.82	.81	1.39	.84	3.16	3.36	1.45	2.46	1.56	1.12	1097	
July	3.13	4.22	1.80	2.67	.83	3.51	1.77	2.70	7.08	3.59	3130	
August	4.92	2.92	1.04	2.61	1.51	1.03	1.38	4.51	3.05	.30	2327	
September	3.25	2.02	.93	1.49	4.27	4.35	1.71	.93	1.07	1.90	2102	
October	1.35	5.14	3.66	2.67	4.62	1.50	3.33	3.48	2.65	4.46	3286	
November	5.40	2.09	1.37	1.71	4.97	2.72	1.87	3.44	3.96	7.13	3466	
December	1.64	1.23	.39	5.16	2.80	3.15	3.54	2.95	1.73	1.57	2416	
TOTALS	34.4 ³	31.27	18.60	25.00	30.98	30.35	27.17	27.63	33.56	33.26	29206	

1931. Glasshouse 12' high, 12' dia.
 1937 Greenhouse 18' high 12' S.

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.			Bettisfield	4 m.	N.E.	Hanmer.	1 m.	E.
1937			Bettisfield	3 m.	E	Hanmer	1 m.	N.E.

Station No. M 4269RAINFALL at Hammer (Gredington)

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County of Flint Observer Lady KemyonRiver Basin 1-DeeType of Gauge SnowdonAnnual Average 22.4 in. based on 12 years obs. un-weighted. Period of average 1891-1915 Ref. SFile No. f 564759/36

Diameter	5				546	433						
Height	1	0										
Altitude	300					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.49	2.47	4.74	3.02	2.17	2.20	1.87	4.99	1.53	4.44	27.12	
February	3.17	1.42	1.25	1.09	1.93	4.25	2.52	1.46	1.43	5.19	23.73	
March	2.55	1.93	0.95	0.90	0.99	1.11	5.07	1.00	8.40	1.57	18.49	
April	1.44	1.53	1.55	1.38	0.89	0.89	2.56	1.82	2.96	2.81	17.83	
May	2.73	4.79	3.20	1.60	2.99	2.24	3.13	1.43	0.55	0.67	25.33	
June	0.93	0.15	2.29	1.56	2.32	3.14	1.99	3.36	0.54	0.93	17.21	
July	1.82	3.22	2.38	1.92	2.28	2.35	3.29	2.43	2.24	2.41	24.34	
August	2.87	3.70	3.28	3.00	3.55	4.38	0.58	3.10	1.34	3.87	29.67	
September	0.76	1.38	2.88	3.79	1.40	3.22	1.87	1.62	1.14	4.67	22.73	
October	2.98	1.49	2.91	4.45	3.76	1.11	0.49	2.09	4.12	1.56	24.96	
November	2.53	0.96	2.75	5.19	0.43	4.26	1.90	1.80	3.06	3.59	26.47	
December	1.11	3.81	1.30	1.72	3.34	3.28	1.63	3.67	2.14	2.72	24.72	
TOTALS	26.58	26.85	29.48	29.62	26.05	32.43	26.90	28.77	25.49	30.43	282.60	

1941. Jan. part coll.

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.

Station No. 4269 m

RAINFALL at Hammer (Gredington)

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County of Flintshire Observer Lady Kenyon

River Basin 1-Dee

Type of Gauge Snowden

Annual Average 30.4 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S
30.39 " " 35 " " 1916-1950File No. 1916-1950
F.5647.59/36

Diameter ...	5"				546	433						
Height ...	1'0"					1						
Altitude ...	300					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	2.08	2.72	0.85	2.07	2.73	3.83	1.62	2.74	4.10	4.71	27.47	
February ...	2.19	0.44	1.70	3.25	1.70	0.82	2.86	4.80	0.17	2.32	20.25	
March ...	5.09	1.31	0.71	2.55	2.37	1.18	2.06	1.11	1.87	1.34	19.59	
April ...	1.56	2.62	3.51	0.37	1.05	2.09	0.21	0.17	4.61	0.81	17.00	
May ...	3.96	2.27	2.25	2.74	3.53	0.41	2.29	3.41	2.36	2.05	25.27	
June ...	1.36	1.66	2.37	3.29	3.40	1.62	1.61	5.34	2.28	2.74	25.67	
July ...	2.51	1.55	2.78	2.36	0.15	2.79	7.55	3.96	2.00	3.42	29.07	
August ...	3.16	1.86	2.22	3.86	0.84	4.72	5.11	2.98	1.77	4.48	31.00	
September ...	2.06	2.59	2.64	2.46	1.35	2.02	6.16	6.34	0.21	4.10	29.93	
October ...	1.17	5.54	1.89	5.68	1.80	2.08	1.96	3.13	2.65	4.23	30.13	
November ...	6.66	2.19	2.05	6.05	1.22	0.99	2.20	2.09	3.83	4.65	31.93	
December ...	3.62	2.49	1.13	1.65	3.38	3.80	1.10	3.50	5.76	1.96	28.39	
TOTALS ...	35.42	27.24	24.10	36.33	23.52	26.37	34.73	39.87	31.61	36.81	315.70	10
	D	D	D	D	d	replace	d		D	D		

1957 Jan reduced by .64

1958 Days high but accept

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 5703144736

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	1911-19	1920-30	1931-40	1941-50	1951-60
	C-1911 1911-19 D	B2 D	1932-5 1935-34 d 1935-A0 D	D	