

Rainfall at Brookfield School Wighton ⁵⁰ Cumberland
 Lat. $54^{\circ} 49' N.$ Long. $3^{\circ} 9\frac{1}{2}' W.$

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

YEAR - -				1854						MEANS.
January - -				3.53						
February - -				1.46						
March - - -				1.25						
April - - -				.77						
May - - - -				2.68						
June - - - -				4.61						
July - - - -				2.69						
August - - -				3.09						
September -				2.45						
October - -				3.12						
November -				1.63						
December -				2.31						
TOTALS -				29.59						

C

Rainfall at Brookfield, Warton, Cumberland

60

R. M. Sidbetter

H. W. Higgins

Diameter of Gauge, in.

Height above Ground, 6 ft. in.

Above Mean Sea Level, 130 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			2.26	6.48	1.87	1.80	4.69	5.36			
February - -			.86	2.52	1.74	2.46	2.05	3.31			
March - - -			1.82	.51	3.78	1.05	1.11	1.26			
April - - -			2.54	2.99	1.61	.30	.70	.77			
May - - - -			2.81	2.14	1.73	4.52	1.18	1.27			
June - - - -			2.75	3.20	2.86	.76	1.72	2.18			
July - - - -			3.53	.28	2.26	1.69	5.20	5.24			
August - - -		#	4.15	3.45	4.01	1.84	3.12	3.32	4.08		
September -			3.15	2.32	9.38	2.79	1.12	5.64	7.46		
October - -			1.71	7.70	5.62	5.48	3.95	1.89	2.50		
November -			8.06	2.13	4.87	2.06	3.30	4.81	6.14		
December -			2.27	4.54	3.85	3.80	2.16	3.82	4.94		
TOTALS -			36.71	45.85	31.82	26.23	36.93	44.51			

c c c c c c

1865 g on a 4 ft wall & 30 yards from the house or any other high object

1867 from inst. rep to Mr W. F. Colcher

RAINFALL AT Brookfield Nigton

Lat.....

Lon.....

County of..

Cumberland.....

.....Rain Gauge, by.....

Observer

M. Lidbetter Esq......

Diameter			5								
Height			9								
Altitude			124								
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			4.80	6.82	4.32	3.65	1.38	7.35	3.41	1.29	
February.....			1.94	.49	2.58	1.02	3.23	3.04	1.78	2.11	
March.....			3.19	2.55	2.46	.98	3.30	2.78	1.24	2.43	
April.....			1.29	.39	1.85	1.07	2.67	2.35	2.10	1.16	
May			2.03	1.83	1.17	2.05	.82	2.35	1.82	1.93	
June.....			4.66	1.78	.44	2.65	2.23	2.65	2.39	3.64	
July			3.99	4.69	3.20	2.95	1.91	5.05	.38	4.78	
August.....			2.56	4.26	6.64	2.30	4.27	6.63	4.66	3.83	
September....			6.64	3.41	4.44	4.43	3.84	2.38	3.92	3.10	
October.....			5.85	5.94	6.68	3.36	2.48	4.60	3.92	2.33	
November.....			5.67	2.33	4.19	3.49	2.06	6.35	2.18	1.60	
December....			3.89	1.68	2.23	2.24	4.92	3.33	1.38	2.53	
TOTALS	2750	3000	44.51	36.17	40.20	30.19	33.11	48.86	29.18	30.73	35.04

1870+1871 estimated from Manchester Kett Hall
 & Sella's Rectory

RAINFALL AT

Wigan. 3615 80
Aspatria, Brookfield

Lat. _____

Lon. _____

County of

Cumberland

Rain Gauge, by _____

Observer

M. Lidbetter, Esq.

Eden & Solway - 1

Diameter	5										
Height	9										
Altitude	1247										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.01	.42	2.31	4.35	6.19	1.97	4.08	2.49	1.32	1.85	2.599
February	2.63	2.30	2.46	3.04	2.94	3.52	1.35	1.98	.56	2.64	2.342
March	1.50	2.08	3.00	1.66	3.27	2.80	3.03	1.46	2.71	2.76	2.417
April	2.13	.92	3.13	2.34	1.02	1.98	2.42	2.39	1.48	2.49	2.030
May	1.03	2.44	1.83	1.09	2.83	2.70	4.40	1.83	1.15	2.82	2.152
June	2.53	3.46	2.75	2.71	.91	1.16	1.65	.40	1.99	.82	1.838
July	3.46	3.59	5.54	4.01	5.54	2.31	4.43	3.00	4.50	2.32	3.880
August .....	.68	6.28	3.58	3.59	1.95	3.03	2.02	1.67	3.45	5.07	3.142
September....	3.92	1.96	2.12	4.65	3.26	4.74	4.60	4.59	1.54	2.34	3.372
October	1.08	1.99	3.48	3.82	2.81	3.50	4.45	2.30	3.15	4.11	3.069
November....	4.33	4.71	4.80	4.57	1.64	2.06	3.49	3.22	3.56	1.81	3.413
December	3.92	2.79	2.48	3.54	4.48	1.40	4.05	2.59	2.31	2.92	3.058
TOTALS	28.22	32.94	37.68	39.21	36.84	30.57	39.97	28.02	27.72	31.95	33.312

RAINFALL AT Aspatia Brookfield

Lat. _____ Lon. _____ County of Cumberland

Rain Gauge, by _____ Observer M. Libbeter Esq
Coen & Solway - 1. J. J. Jephing Esq

Diameter	5										
Height	0.9										
Altitude	124 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.31	1.67	2.83	1.38	3.63	2.55	2.44	1.25	4.22	5.38	2.966
February ....	.79	.24	1.82	4.60	6.58	.46	1.99	2.35	3.11	2.01	2.395
March	2.79	1.38	1.27	1.24	2.24	4.29	5.28	5.03	1.37	2.14	2.703
April .....	.98	1.01	.96	.78	2.29	1.92	2.52	1.87	3.16	2.68	1.817
May	3.44	2.09	4.31	1.82	4.06	.69	.54	1.95	2.88	3.42	2.520
June	3.55	1.54	3.39	2.00	4.46	.94	3.96	3.14	2.11	1.53	2.662
July	2.64	2.40	2.16	4.52	2.80	7.88	4.98	2.31	1.12	3.03	3.384
August	3.28	8.12	6.81	4.13	4.62	5.96	2.80	4.81	5.14	1.44	4.711
September....	4.06	5.35	8.00	3.53	.48	1.37	3.83	5.05	1.68	6.10	3.945
October	2.45	4.12	4.73	4.53	3.28	4.81	5.69	1.97	4.04	3.56	2.918
November....	5.26	3.62	2.66	1.69	4.58	3.91	1.48	5.38	4.16	4.61	2.725
December ....	.61	7.13	2.25	4.93	3.90	3.00	4.34	4.96	4.58	2.99	3.869
TOTALS	34.16	38.67	41.19	35.15	42.92	37.78	39.85	40.07	37.57	38.89	35.625

1896 Wighton Ch 1 mile E
 Trees 15 ft high 15 ft E + S

1880 -

RAINFALL AT

Wigton Brookfield Friends School

Lat.

Lon.

County of

Cumberland

Rain Gauge, by

Observer

J. J. Joseph, Esq.
per J. R. Marshall

Sewer etc - 7.

Diameter ..	5											
Height	0 9											
Altitude ..	124 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.44	2.44	2.88	4.92	3.11	2.23	4.65	1.40	3.35	3.76	3.218	
February ..	4.34	1.30	.80	5.91	2.79	1.98	2.53	1.92	3.41	1.98	2.696	
March ....	.76	2.50	2.69	6.21	3.73	3.83	2.50	3.54	4.13	4.49	3.438	
April	2.54	2.14	1.82	1.71	3.12	2.82	1.19	2.07	2.44	2.54	2.239	
May	2.38	1.48	2.50	2.71	2.94	2.02	4.59	3.65	3.11	1.48	2.686	
June	3.52	2.39	1.63	2.55	2.58	1.61	1.73	5.36	2.58	2.65	2.660	
July	2.40	1.30	3.34	6.43	2.51	1.93	2.41	2.09	4.60	5.80	3.281	
August	6.80	4.55	2.38	6.60	3.13	2.92	8.33	4.23	4.51	2.87	4.632	
September ..	2.69	1.17	2.60	4.09	1.42	2.86	1.28	.48	3.40	2.82	2.281	
October	6.09	3.82	3.55	11.16	1.72	2.69	5.50	7.00	1.59	6.12	4.924	
November ..	3.92	4.26	2.40	3.40	3.95	3.34	3.05	3.60	2.66	1.57	3.215	
December ..	6.06	4.23	4.09	2.48	3.21	2.10	3.06	6.81	2.64	5.53	3.971	
TOTALS ..	44.94	31.58	30.68	58.17	34.21	30.33	40.82	41.65	38.42	41.61	39.241	13.74

1905 Wigton Church 1 Mile E
 " Station 1 . .
 " Quite open"

H. B.

RAINFALL at

Wigton Brookfield

County of Cumberland

Observer

Hanson Marshby

River Basin

Eden & Solway 1

Rain Gauge, by

Diameter ...	5											
Height	1.6							5.0	2.1			
Altitude ...	124 K											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.44	1.65	1.67	2.44	2.34	2.81	3.64	1.44	3.21	2.44		1078
February ...	4.69	4.11	1.41	2.11	3.11	4.14	3.16	1.35	3.00	.91		842
March	2.19	1.07	3.76	4.37	2.75	1.91	1.41	1.22	1.20	1.82		595
April	2.27	3.55	.38	3.95	1.16	2.24	2.30	2.74	.84	1.51		739
May	2.60	2.05	2.07	2.17	2.13	1.58	3.12	1.89	2.24	.91		816
June	1.27	3.15	5.63	2.90	1.37	.94	2.25	2.00	1.35	2.27		787
July	3.77	.62	4.13	.93	3.98	3.46	3.63	1.19	3.26	.75		883
August	4.81	2.37	5.05	2.54	3.46	2.08	2.65	5.05	3.46	2.78		1394
September ..	.72	2.84	2.07	2.30	1.44	.88	2.18	3.13	8.15	2.30		1376
October ...	1.77	3.54	2.90	3.14	1.20	1.64	6.37	4.98	5.45	1.39		1839
November ...	4.61	4.54	3.25	3.24	5.04	1.03	4.30	2.83	2.16	1.91		1120
December ...	2.97	5.21	5.08	3.13	4.48	4.85	3.02	1.88	3.01	2.39		1630
TOTALS ...	35.21	34.70	37.40	33.22	32.46	27.56	38.33	29.70	37.33	21.58		12624
	3	3	3	3	3	3	3	3	3	3		

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54.49	3.9 $\frac{1}{2}$	Wigton	1 mi	E	Wigton	1 mi	E

RAINFALL at Wighton, BrookfieldCounty of CumberlandObserver L. R. Payson EsqRiver Basin Eden - Solway(1913) D. H. Reed Esq, B.Sc.Snowdon Rain Gauge, by Wighton

Diameter ...	5"											
Height	5' 0"											
Altitude ...	124											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	3.86	5.03	2.21	1.62	4.07	2.52	3.95	2.89	6.69	1.09	4.90	38.83
February ...	2.41	1.19	3.22	3.26	3.39	4.41	3.37	1.65	3.73	.55	.32	23.50
March	4.07	4.46	1.45	.53	1.40	1.31	1.31	2.18	2.05	.15	2.66	21.57
April	2.22	.92	1.79	2.49	1.53	3.95	1.48	1.82	.81	1.22	1.19	19.42
May	3.54	1.57	1.58	2.68	3.22	4.12	1.90	1.67	1.11	1.33	1.03	23.75
June	1.36	.60	2.23	.90	2.28	.38	4.71	2.57	5.10	1.22	2.12	23.37
July	4.59	2.43	4.74	2.50	4.24	1.52	3.05	4.59	3.98	2.96	3.61	39.21
August	2.41	6.71	2.83	6.74	2.85	2.51	4.19	7.18	5.89	5.39	7.67	54.27
September...	1.71	2.53	2.61	3.21	4.13	3.55	5.20	6.96	2.48	1.28	1.53	35.19
October .....	.90	2.91	1.11	5.92	4.03	3.44	3.07	3.24	4.71	4.91	4.61	38.85
November...	2.20	1.75	.91	4.21	2.48	.94	3.59	3.98	4.76	4.71	3.31	32.84
December...	2.75	4.05	4.84	2.80	4.97	3.26	.69	1.15	2.84	4.87	2.70	34.19
TOTALS...	32.02	33.15	29.52	36.86	35.59	31.81	36.51	39.88	44.15	30.68	35.55	38.57
	D	D	D	D	D	D	D	D	D	D	D	D

1920 Young fruit trees 5 ft high 6 ft SW

5' - 10' NW

11' - 12' NE

1925 GREENHOUSE 10' high 30' SW

1927 Gauge moved to height of 1' from ground on 31st Dec 1927.

1929 Greenhouse 10' high 20' SE.

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° 49'	3° 9 1/2'	Wighton	1 1/2 mi	N E	St Marys	1 mi	S E

RAINFALL at Wigton (Brookfield)County of Cumberland Observer David W. Reed Esq. B.Sc.River Basin Eden & Solway - 1Type of Gauge SnowdonAnnual Average 36.7 in. based on 25 years obs. un-weighted. Period of average 1881 - 1915 Ref S813739/27.

Diameter	5											
Height	1 0											
Altitude	124											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	280	425	299	540	218	292	403	353	537	114	3461	
February	294	05	479	21	474	214	456	89	295	53	2380	
March	83	439	168	213	99	162	150	212	230	434	2190	
April	149	306	102	313	368	66	172	49	108	112	1745	
May	178	268	278	289	71	122	184	319	041	150	1903	
June	600	108	221	334	406	222	142	441	258	133	2865	
July	602	621	325	158	158	486	221	574	589	532	4266	
August	306	248	182	358	197	125	228	311	249	174	2398	
September	152	476	134	302	389	469	339	284	163	351	3059	
October	357	499	287	496	618	401	295	827	131	270	4181	
November	537	279	102	79	415	290	101	673	485	272	3233	
December	345	411	60	432	151	388	220	322	221	215	2765	
TOTALS	3883	4105	2637	3535	3564	3234	2914	4454	3307	2810	34446	

1931 Greenhouse 10' high 20' SE.

1938 Greenhouse 8' high 33' SW.

1940 Jan. & Feb. apportioned for snow.

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			Wigton L.M.S.	1/4 m	ENE	Wigton	1 m	E.

Station No. 3615RAINFALL at Wigton (Brookfield)

41

County of LancashireObserver Daird W. Reed Esq. B.Sc.River Basin Eden - Solway - 1Joseph Carruthers Esq. B.A.B.Sc.
(August 1946)Type of Gauge SnowdonAnnual Average 36.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S.File No. 813739/27

Diameter	5"				596	936						
Height	1' 0"					1						
Altitude	124'					41				110'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	.92	3.90	3.06	3.11	2.99	3.89	2.83	6.66	2.40	2.31	3207	
February	2.54	1.10	2.58	1.35	3.88	2.05	.29	2.12	2.43	3.82	2216	
March	2.51	2.20	.77	.23	2.18	1.51	(3.59)	2.76	1.04	2.07	1891	
April	1.96	1.40	2.08	2.14	1.56	1.41	4.54	2.05	2.92	2.23	2773	
May	2.17	2.70	3.17	2.05	5.01	1.56	2.52	.77	1.54	2.10	2359	
June	.45	.10	2.80	3.92	2.98	2.60	3.05	3.50	1.25	1.95	2260	
July	2.20	3.30	2.18	2.59	2.22	3.58	3.81	2.39	2.34	2.42	2703	
August	2.19	4.50	4.70	3.61	1.70	4.76	.22	5.62	1.47	5.60	3727	
September	1.81	5.70	3.65	5.25	3.27	4.98	2.56	4.70	1.10	6.82	3934	
October	3.03	3.60	5.75	2.77	3.50	.55	5.27	2.54	5.57	3.89	3067	
November	1.63	1.70	1.73	7.20	20	4.65	5.64	3.31	3.67	2.13	3376	
December	1.51	3.70	1.22	3.13	1.30	3.31	1.81	3.34	6.20	1.40	2692	
TOTALS	44	3400	33.69	37.35	30.79	34.85	7	39.66	93	37.44	335.91	
	20.82	N.R.	33.69	37.35	30.79	34.85	31.47	39.66	31.88	37.44	335.91	

1941. n.p. loss.

1942. Gauge found to be leaking. new gauge purchased (N.P.Z.)

1943. Greenhouse 10' high 25 yds. N.

1947. March part cut from NW.

ON FILE

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			Wigton L.M.S.	1 1/2 miles	N.E. by E.	Wigton	1 mile	E.

