

Rainfall at Workington Stainburn

60

CumberlandCharles Litt

6 67

3 68

99.68

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

YEAR -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January -						2.00	5.73	3.23	3.36	5.84	
February -						1.97	3.21	2.38	3.78	4.82	
March -						1.76	2.62	1.13	5.44	1.28	
April -						.45	.77	3.92	2.50	2.73	
May -						5.26	1.55	1.85	2.46	2.23	
June -						.60	2.06	1.18	1.03	1.38	
July -						2.70	3.37	3.24	.90	1.91	
August -						3.94	2.88	3.33	3.48	1.63	
September -						1.65	5.93	3.92	1.75	6.60	
October -						3.46	1.90	4.79	5.20	2.66	
November -						3.88	5.18	.51	2.10	4.95	
December -						3.57	4.34	3.39	7.63	4.06	
TOTALS -						32.12	39.54	32.87	39.63	40.09	

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1865 Gauge is at the town Workington on the banks of the Derwent about 1 1/2 miles from the sea at Solway Firth and 10 miles NW of the Cumberland mountains.

RAINFALL AT *Northington Stainburn*

Lat.....

Lon.....

County of *Cumberland*

Rain Gauge, by.....

Observer *Lehodes Little Esq.*

Diameter .....	.8											
Height .....	.6	.8				1	.6	.8	1			
Altitude	101						101					
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.97	3.34	7.18	6.75	4.53	4.17	1.98	7.74	3.38			
February.....	2.96	3.08	3.39	7.3	3.36	1.32	3.43	2.81	2.39			
March	2.22	2.57	3.08	3.11	2.46	.96	3.19	2.20	1.32			
April.....	1.62	2.25	1.89	.49	1.68	1.29	2.38	2.29	1.53			
May	2.80	.94	2.58	1.95	1.17	2.35	.53	2.86	2.36			
June.....	2.12	1.80	5.47	1.96	1.11	3.67	3.65	3.37	2.58			
July	1.09	3.08	3.92	4.26	2.18	3.35	2.67	3.88	.80			
August.....	1.40	3.39	3.36	4.14	6.32	4.04	3.74	7.75	3.86			
September.....	4.16	2.23	6.14	1.74	6.33	5.11	3.43	2.10	4.63			
October.....	7.49	3.31	7.30	5.90	7.31	3.20	3.18	5.35	3.92			
November.....	2.66	3.12	4.49	2.56	3.97	3.14	2.73	7.89	3.01			
December.....	1.66	4.45	4.98	1.67	2.26	2.86	4.83	4.07	1.48			
TOTALS.....	34.15	33.56	53.78	55.26	42.68	35.46	35.74	52.31	31.26			

76 gauge in an open position

1879 Observer dead.

RAINFALL at Workington, Stainburn ReservoirCounty of CumberlandObserver H.B. Williams, Esq.River Basin Derwent - 2.Shawdon Rain Gauge, by N.G.

Diameter ...									5		
Height									1	0	
Altitude.....									180		
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January.....							4.45		4.02	3.44	1191
February ...							4.69		3.52	4.2	863
March							2.19		1.53	2.39	611
April							4.02		.83	2.49	734
May							6.09		2.48	1.28	985
June							5.39		1.26	3.31	996
July							5.10		3.01	.88	899
August							10.11		3.76	3.24	1711
September...							7.72		8.58	3.42	1972
October.....							12.27		5.66	1.55	1948
November...							7.89		2.39	2.73	1301
December ...							7.68		5.25	4.24	1717
TOTALS ...							77.60*		42.29	29.39	14928

1910-19 near 21. x 21 Inch. x 1.22

Inlet House 11 ft. high 20 ft. E.

* from 3658 Underside House
no further

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54° 39'	3° 31'	Workington	1 mi	W.	St. Nicholas' Church	1 mi	W.

RAINFALL at Stainburn ReservoirCounty of CumberlandObserver Workington NewsRiver Basin Derwent 2H. Bowmer/Williams Esq. (1921)London Rain Gauge, by Nº 3Borough Surveyor Workington
John Pearson A.M.C.E.

Diameter ...	5	5									
Height	1.0	1	0								
Altitude ...	180 ft.	180									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	5.15	5.13	2.49	2.52	3.44	2.96	3.69	3.57	6.91	1.26	6.45
February ...	2.90	2.4	3.77	4.02	4.1	3.92	3.53	1.62	3.45	.55	.52
March	5.55	5.28	1.04	1.04	1.14	1.46	1.13	2.69	2.49	1.01	2.64
April	3.04	.99	2.43	3.05	1.48	3.62	1.97	1.89	1.21	.91	1.04
May	4.91	2.57	3.23	2.17	3.84	5.72	2.05	1.63	1.26	2.96	1.60
June	2.05	.39	2.68	1.63	2.68	.30	3.13	3.95	4.39	1.93	2.02
July	5.43	3.84	5.42	4.45	4.56	1.85	3.32	5.16	6.18	5.13	2.62
August	3.89	5.31	4.32	7.01	3.34	2.97	3.28	4.42	6.14	6.89	6.96
September...	2.11	2.03	2.57	5.32	5.25	3.47	4.32	6.77	4.63	1.24	1.98
October	1.84	2.90	1.71	7.11	3.32	5.30	3.02	3.17	5.70	6.45	6.83
November...	3.06	1.82	1.68	4.54	3.23	2.03	6.48	4.05	7.19	7.66	3.15
December...	2.64	4.20	4.93	4.13	6.05	2.35	1.15	.82	2.49	6.17	3.01
TOTALS...	41.77	34.70	36.27	46.99	38.74	26.95	37.07	39.74	52.04	42.16	38.82

Inlet above 11 ft. high 20 ft. Emb.

1918, 19, 20 recd. 21.10.28 found. 11.22

Position of Station on reduced Ordnance Survey }
Map, 2 miles 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
1921.	54° 29'	3° 31'	Workington	1 mi	E	St Michael's	1 mi	E

RAINFALL at Workington (Stainburn Res.)County of Cumberland Observer The Borough SurveyorRiver Basin Derwent - 2Type of Gauge SnowdonAnnual Average 39 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. 3

f-446657/35

Diameter	5.										
Height	1.0.										
Altitude	180.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.26	5.04	4.18	5.00	1.85	3.70	4.36	4.43	5.38	1.83	3.903
February	3.19	.03	3.03	.43	4.82	2.15	4.36	1.67	4.56	.85	2.509
March	.78	3.30	2.74	1.98	1.00	2.02	1.46	2.54	2.51	5.95	2.428
April	1.48	2.84	2.71	3.50	2.58	.83	2.96	.40	2.04	1.83	2.117
May	1.94	3.34	2.72	3.73	.83	1.49	1.50	4.37	0.26	1.47	2.165
June	5.95	1.87	1.41	2.32	3.41	3.79	2.55	6.29	3.50	.89	3.148
July	4.81	3.44	3.25	1.32	2.08	4.56	4.23	7.88	6.31	3.66	4.154
August	3.85	1.96	2.82	5.32	2.67	2.46	1.91	3.48	2.35	1.84	2.866
September	2.44	5.07	1.65	4.36	5.09	5.22	3.39	2.52	2.58	3.78	3.610
October	3.64	6.67	3.46	5.46	5.86	3.37	3.25	9.38	1.52	3.90	4.651
November	5.78	3.02	2.03	1.79	4.15	4.05	1.35	7.43	5.93	4.01	3.954
December	5.26	6.80	1.33	5.28	2.10	5.63	3.17	3.51	2.14	4.62	3.984
TOTALS	42.38	42.88	31.33	40.49	36.44	39.27	34.49	53.90	39.08	34.63	39.489
	D.	D	D	D.	D.	D.	D	D	D	D	

1931. Meter house 11' high 20'E.

1935. Inspected 13/9/35. Site over-exposed. Recommended that g. be moved to new site in field to the south & surrounded by turf wall. Run of gauge to be made circular. Authority agrees to make run circular, question of new site to be put before Water Committee. Gauge moved to new site on reservoir top surrounded by turf wall 19/11/35.

1936. Gauge moved 22.0' to W. on 17/11/35.

1936. Meter House 11' high 42'E.

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.			Workington	1m	E.	St. Michael	2m	E.

Station No. 2645

RAINFALL at Worthington (Stamshaw Res.)

41

County of CumberlandObserver The Brough Surveyor
H. Kay Esq. (Brough) 1950River Basin Darwent - 2Type of Gauge StandardAnnual Average 36.9 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. W4657/35

Diameter	5"					594	971				
Height	1' 0"						1				
Altitude	180'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	56	5.46	4.41	3.81	2.81	5.56	3.13	6.18	2.52	2.02	3646
February	2.90	1.97	3.53	2.01	3.57	2.30	(.50)	2.15	2.66	4.01	2560
March	2.43	2.70	1.34	32	2.64	2.41	4.97	2.89	2.16	4.10	2596
April	1.69	1.86	2.19	2.88	1.95	1.76	5.59	2.02	3.88	3.19	2701
May	3.23	3.43	3.34	2.46	5.20	1.28	3.54	1.13	2.88	1.27	2776
June	79	76	2.63	3.59	3.07	3.04	3.28	5.36	.85	3.48	2685
July	2.18	3.43	2.88	3.03	3.48	4.80	3.44	2.80	3.22	4.57	3383
August	4.82	5.08	6.39	4.22	2.11	5.31	70	5.69	3.27	5.80	4279
September	1.64	4.86	4.89	5.13	4.19	6.72	3.52	6.03	1.48	10.79	4725
October	6.44	4.38	8.09	3.68	3.93	.68	.85	3.66	5.53	3.74	4098
November	2.70	1.04	2.48	7.10	18	5.30	6.03	4.37	4.08	3.72	3700
December	1.57	6.00	2.56	3.63	2.52	4.54	2.18	5.11	6.06	2.03	3620
TOTALS	30.95	40.97	44.73	41.86	35.65	43.70	37.13	42.39	38.59	48.72	40969

1941: Meter House 11' high 42' E.
1947 Feb. 5th. 5am map.

20004

10

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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Worthington	1 mile	E	St. Michael	1 mile	E

BRITISH RAINFALL ORGANIZATION

Station No. 3645RAINFALL at Workington (Stainburn Res.)

51

County of Cumberland

Observer

H. Kay Esq. C.E.
(Baro Engineer)River Basin Derwent 2Type of Gauge SnowdonAnnual Average 36.9 in. based on 11 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S39.97 " " 35 " " 1916-1950File No. 446657/35 F

Diameter ...	5"				594	971					
Height ...	1' 0"					1					
Altitude ...	180'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.94	3.37	2.44	3.28	2.95	2.81	5.55	4.90			
February ...	3.18	.59	1.35	3.52	1.02	.52	3.36	1.00			
March ...	3.77	2.26	.51	3.07	1.23	1.27	3.62				
April ...	2.12	3.03	2.74	1.38	2.59	1.22	1.68				
May ...	1.22	2.34	2.05	3.91	2.63	2.97	3.03				
June ...	1.47	3.75	1.99	4.60	4.38	2.26	1.58				
July ...	3.92	2.14	5.51	5.05	2.78	5.62	3.61				
August ...	6.17	5.58	4.50	5.31	2.31	9.18	3.86				
September ...	7.40	3.70	6.03	7.10	2.65	3.84	5.77				
October ...	.86	2.65	2.87	8.66	1.80	3.46	5.02				
November ...	6.35	2.09	7.10	8.34	1.71	1.28	2.29				
December ...	7.33	4.07	2.62	4.05	4.64	5.15	4.32	1.00			
TOTALS ...	47.73	35.57	39.71	58.27	30.69	39.48	43.69	1.00			
	D	D	D	D	D	D	D	2P			

1951, taken house 11' 42" E:

1955 Jan. adj. m.p. 2b.

1958 No. obs after 25-2-58, temp. out of action, reconstruction. Jan 1958

1958 ny wk.

old site NGR NY(35)02293

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference NY(35)022.293

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Workington	1ml E W	Workington	1ml E W

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
	C 1918	✓	✓	✓	
	-	✓ band 30	✓	✓	