

Rainfall at

Workington, ~~Stainburn~~

60

Cumberland

Charles Litt

6 67

3 68

93.68

Diameter of Gauge, $\frac{3}{4}$ in.

Height above Ground, 1 ft. 0 in.

Above Mean Sea Level, 101 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						2.80	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 - - - -						.68	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 at Stainburn Workington on the banks of the Derwent about $1\frac{1}{2}$ miles from the sea at Solway Firth and 10 miles NW of the Cumberland mountains.1865 Gauge is at Stainburn Workington on the banks of the Derwent about $1\frac{1}{2}$ miles from the sea at Solway Firth and 10 miles NW of the Cumberland mountains.

RAINFALL AT Washington, Steinburn

Lat.....

Long..... County of... Cumberland.....

Rain Gauge, by..... Observer Charles Litt. Esq.

Diameter8										
Height6	.8									
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	1.96	3.19	2.20	1.32		
April.....	1.62	2.25	1.89	4.49	1.68	1.29	2.38	2.29	1.53		
May.....	2.80	1.94	2.58	1.95	1.17	2.35	5.3	2.86	2.36		
June.....	2.12	1.80	5.47	1.96	1.11	3.67	3.65	3.37	2.58		
July.....	7.09	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	35.26	42.68	33.46	35.74	52.31	31.26		

76 gauge in one open position

1879 observer dead.

RAINFALL at Workington, Stainburn ReservoirCounty of CumberlandObserver H.B. Williams, Esq.River Basin Dentwest - 2Snowdon Rain Gauge, by N.o. 3

Diameter ...											5
Height											10
Altitude.....											180
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January.....						4.45	4.02	3.44	4.44	3.44	1131
February ...						4.69	3.52	4.2	3.52	4.2	863
March						2.19	1.53	2.39	1.53	2.39	611
April						4.02	4.8	2.49	4.8	2.49	734
May						6.09	2.48	1.28	2.48	1.28	985
June						5.39	1.26	3.31	1.26	3.31	996
July						5.10	3.01	.88	3.01	.88	899
August						10.11	3.76	3.24	3.76	3.24	1711
September...						7.72	8.58	3.42	8.58	3.42	1972
October.....						12.27	5.66	1.55	5.66	1.55	1948
November...						7.89	2.39	2.73	2.39	2.73	1301
December ...						7.68	5.25	4.24	5.25	4.24	1717
TOTALS ...						77.60	42.29	29.36	42.29	29.36	14928

1918-19雨量。21. x. 21. End. x. 22.

气象台 1919年 2月 21日

* from 3658 Wimbleton House

no rain

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

RAINFALL at Stainburn Reservoir

County of Cumberland

Observer Workington News

River Basin Derwent 2

St Bowman Williams Esq (1921)

Snowdon Rain Gauge, by N.C.Z.

Borough Surveyor Workington
John Renman A.M.I.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	MEANS.	1920
January ...	5.15	5.13	2.69	2.52	3.44	2.96	3.69	3.57	6.91	1.26	6.45	4.35
February ...	2.90	2.47	3.77	4.02	4.1	3.92	3.53	1.62	3.45	.85	.52	2.47
March	5.55	5.28	1.04	1.04	1.14	1.46	1.13	2.69	2.49	1.01	0.64	2.54
April.....	3.04	.99	2.63	3.05	1.48	3.62	1.97	1.89	1.21	.91	1.04	2.16
May	4.91	2.57	3.23	2.17	3.84	5.72	2.05	1.63	1.26	.296	1.60	3.19
June	2.05	.39	2.68	1.63	2.68	.30	3.13	3.95	4.39	1.93	2.02	2.51
July	5.43	3.84	5.42	4.45	4.56	1.85	3.32	5.16	6.18	5.13	2.62	4.79
August	3.09	5.21	4.32	7.01	3.34	2.97	3.28	4.42	6.14	6.89	6.96	5.37
September...	2.11	2.03	2.57	5.32	5.25	3.47	4.32	6.77	4.63	1.24	1.98	3.96
October.....	1.84	2.90	1.71	7.11	3.32	5.20	3.02	3.17	5.70	6.65	6.83	4.73
November...	3.06	1.82	1.68	4.54	3.23	2.03	6.48	4.05	7.19	7.66	3.15	4.42
December...	2.64	4.20	4.93	4.13	6.05	3.35	1.15	.82	2.49	6.17	3.01	3.89
TOTALS...	41.77	34.70	36.27	46.99	38.74	26.95	37.07	39.74	52.04	42.16	38.82	44.52

Draught above 11 ft. high 20 ft. East.

1918, 19, 20 recd. 21.10.28 4 centia. 8.22

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1921.	54° 29'	2° 31'	Workington	1 mi	E	St Michaels	1 mi	E

RAINFALL at Workington (Slainburn Res.)

County of Cumberland.

Observer The Borough Surveyor.

River Basin Derwent - 2.

Type of Gauge Standard.

Annual Average 31.9 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	1.43	4.82	2.15	4.36	1.67	4.56	.85	2.609	
March	.78	3.30	2.74	1.98	1.00	2.02	1.46	2.64	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	3.84	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	2.55	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	7.42	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	116
	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	Parish Church	Distance from gauge	Direction
1931.			Workington	1m	E.	St. Michaels	2m	E.

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

Station No. 3645

RAINFALL at Worthington (Stanhope Res.)

41

County of Cumberland

Observer The Braugh Swarayor
H. Kay Esq. F.C. (Bath Empress) 1950

River Basin Derwent - 2

Type of Gauge Standard

Annual Average 26.9 in. based on 11 years obs. un-weighted. Period of average 1928.1 - 1945 Ref. S

File No. 144657/35

Diameter	5"					594	941				
Height	1' 0"							1			
Altitude	180'							41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	5.6	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	3.32	2.64	2.41	4.97	2.89	2.16	4.10	2596
April	1.69	1.86	2.19	2.88	1.95	1.70	5.57	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	7.9	7.6	2.63	3.57	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	10	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	6.8	.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	47.39	38.59	48.72	40969

1941:- Meter House n' Righ 42° E.

20004

1942 Feb. est. from map.

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

BRITISH RAINFALL ORGANIZATION

Station No. 3445

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RAINFALL at Workington (Glenburn Res.) ✓

County of Cumberland

Observer H. Kay Eng C.E. (Baro Enginner)

River Basin Derwent - 2

Type of Gauge Snowden

Annual Average 36.9 in. based on 11 years obs. un-weighted. Period of average 1881-1915
 39.97 " " 35 " 1916-1950 Ref. S
 1916-1950 File No. 444457/35 P

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	3.07				
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	6.31	2.31	9.18	3.86				
September	7.40	3.70	6.03	4.10	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	D			

1951. trustee house 11° 42' E:

1955 Jan adj. m.p. 8b.

1958 10.0 m after 28.2.58 (ent. out of action, reconnection Sept.

1958 4.4 m)

old site NGR NY (35) 022293

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NY (35) 022293

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Workington	1 mi	SW	Workington	1 mi SW

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	✓	✓	✓	✓