

RAINFALL AT Whitehaven Scrugill Reservoir

Lat. _____

Lon. _____

County of Cumberland

M. O. _____

Rain Gauge, by N&P

Observer

E. E. Steven Esq. C.E.

W. coast streams - 3.

Diameter ...										8	
Height										10	
Altitude ...										188 ft	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										3.76	2.52
February ...										1.98	2.03
March										3.59	4.04
April										1.92	3.60
May										2.78	2.33
June										2.45	3.25
July										3.89	6.23
August										3.82	2.46
September ..										5.24	3.34
October ...										2.05	9.80
November ..										3.44	1.43
December...										4.09	7.09
TOTALS ...										39.01	48.12

1908 Hensingham Church 387 yards S.E.

Cotfield Station 747 - N.W.

Hause 28 ft high 31 - S.E.

Shrub 7 - 6 - E

RAINFALL at Whitehaven Scarfell Reservoir

County of CumberlandObserver E. E. Stiven Esq. C.E.River Basin West Coast Stream 3M.O. Rain Gauge, by N.Y.

Diameter ...	8	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height	10											
Altitude ...	188 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
January ...	3.36	1.97	3.07	3.45	2.85	3.85	3.24	2.33	4.46	5.37		
February ...	5.93	4.38	2.65	1.88	4.25	6.16	3.81	1.41	4.49	6.1		
March	2.91	1.12	4.96	4.04	4.48	2.10	1.19	1.37	2.07	4.06		
April	2.54	3.16	.62	3.67	1.05	2.75	2.47	1.84	.99	3.18		
May	2.52	2.94	2.60	4.76	2.45	1.33	3.57	3.95	2.28	1.21		
June	1.76	4.35	6.07	2.07	1.33	1.53	2.80	1.96	1.83	2.59		
July	4.45	.98	3.60	.93	4.94	6.26	3.11	1.22	3.71	1.07		
August	6.81	2.01	5.47	2.43	3.54	2.27	2.60	7.97	4.75	2.81		
September ..	.70	3.10	1.56	3.19	1.55	1.64	2.90	4.80	10.31	4.34		
October ...	2.15	3.39	4.18	4.61	2.21	2.09	5.99	6.40	5.48	2.43		
November ...	5.21	6.07	3.90	3.64	5.09	2.21	5.71	4.61	2.79	2.74		
December ...	5.32	8.81	4.94	2.99	5.07	6.63	5.28	3.62	7.09	6.41		
TOTALS ...	43.69	42.28	43.52	37.66	38.84	38.82	42.67	41.38	80.25	56.83		
	7	7	7	7	7	7	7	7	7	7		

Ob 7 am.
1912 House 23 ft high 31 yds S E
Shrubs 7 6 E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54° 22'.50	3° 34'.56	Barkkirkle	747 ^{1/2}	NW	Neunningham	500 387 ^{1/2}	SSE SE

RAINFALL at Whitchaven Scragill ReservoirCounty of Cumberland Observer E. E. Steven Esq. C.E.

River Basin West Coast Streams 3

S. A. Wilson, Esq. B.I.C. (1920)M.O. Rain Gauge, by N. S. G.
Snowdonia 1929?Boro Engrs & Surveyors Whitehaven

Diameter ...	9										
Height	1	0									
Altitude ...	198										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.EAN.
January ...	5.52	6.46	3.71	3.86	4.97	3.87	5.46	6.26	8.99	1.97	7.71
February ...	2.78	.37	4.37	5.89	1.39	5.21	6.42	3.03	3.68	1.50	.38
March	5.84	6.06	2.00	1.26	.79	1.39	1.81	4.76	4.56	1.07	2.57
April	4.28	1.97	2.66	4.21	2.53	4.12	4.00	2.90	1.37	1.40	2.00
May	4.46	3.46	3.85	1.93	4.92	7.77	3.59	2.53	.99	3.11	1.58
June	2.48	.39	2.52	1.18	3.36	.87	2.99	3.91	4.88	2.84	2.03
July	5.04	3.72	6.19	4.41	5.53	2.04	4.99	5.71	6.30	5.84	2.71
August	4.80	8.95	4.90	9.69	4.05	4.69	5.69	5.67	7.96	6.86	7.13
September...	2.98	2.30	2.54	5.91	6.31	3.86	6.14	7.97	3.61	1.81	2.73
October.....	2.06	3.13	2.54	8.05	4.43	6.62	3.75	3.82	8.97	8.24	7.36
November...	3.49	2.77	2.95	5.57	3.22	2.23	9.26	14.95	8.79	9.12	4.84
December...	3.91	4.54	5.53	5.69	9.07	2.75	2.00	1.34	4.04	8.18	4.65
TOTALS...	47.64	42.14	43.76	57.65	50.50	45.31	56.10	52.88	64.14	50.64	45.69

1920 House 23 ft high 31 yds S.E

Shrubs 7 " 6 " E

1926 House 30' high 50 yds E

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
1920	54°32'50"	3°34'56"	Carkickle	747 yds	NW

RAINFALL at Whitehaven (Scragill Reservoir)

County of Cumberland, Observer A. Wilson, Esq., C.E.

River Basin West Coast Streams - 3. The Borough Engineer & Surveyor (B.M.)

Type of Gauge Snowdon.

Annual Average 43.5 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. S

339605/14

Diameter	8.										
Height	1.0.										
Altitude	188.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.64 6.53	4.61 5.91	6.27	1.55	5.08	5.60	4.52	5.08	3.86	4.724	
February	3.68 .04	3.82	4.44	4.81	2.64	5.08	1.83	4.63	1.55	2.864	
March	1.18 3.98	3.74	2.16	1.04	2.83	1.68	2.09	3.31	5.29	2.730	
April	1.80 3.41	2.37	3.31	2.94	.90	4.16	1.49	2.50	1.83	2.371	
May	2.64 4.41	2.54 2.18	4.37	.78	1.20	1.40	4.41	0.40	1.60	2.375	
June	5.76 2.14	2.27	2.22	4.18	4.63	2.74	5.84	3.60	.60	3.389	
July	6.18 4.36	4.48	1.08	1.91	3.40	6.47	7.35	5.31	3.80	4.434	
August	4.70 2.36	2.84 2.02	4.24	1.88	3.75	3.04	3.31	2.83	1.25	3.020	
September	3.11 4.52	3.02	5.43	6.51	5.53	3.81	3.74	2.20	3.29	4.016	
October	3.15 7.56	3.37	5.75	6.07	3.04	4.42	9.81	2.12	4.34	4.963	
November	10.60 3.08	2.73	1.66	5.45	4.88	1.48	8.98	5.23	5.15	4.914	
December	6.91 9.63	1.33	7.63	2.46	7.54	3.84	5.12	2.58	5.43	5.247	
TOTALS	56.25 52.02	36.12	44.56	39.58	45.45	43.72	57.49	39.79	37.49	48.047	M
	D	D	D	D	D	D	D	D	D	D	

House 23' high 31° SE : Shuts 7 1/2 ft 6° E.
 1933 Feb. June & Sept. corrected for arithmetic.

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
			Corkickle	767'	NW	Heslingham	500'	SSE

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

Station No. 3657

RAINFALL at Whitby (Swale Beck) 41

County of Cumberland Observer The Borough Engineer Surveyor
 River Basin West Coast Streams-3
 Type of Gauge Standard

Annual Average 5.5 in. based on 21 years obs. un-weighted. Period of average 1881-1915. Ref. S

File No. 33.9.25.34

Diameter	8"		592	245							
Height	1' 0"			1							
Altitude	155			41	-	-	-	-	-	-	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	.75	5.27	6.53	4.68	3.45	5.41	3.15	6.81	2.32	1.71	
February	3.82	1.98	3.30	2.31	4.70	2.23	.41	1.94	2.02	4.18	
March	2.35	3.51	1.12	.33	2.50	2.05	5.74	2.88	1.93	4.90	
April	2.04	2.27	2.36	2.25	2.27	1.58	3.96	1.89	2.68	3.23	
May	3.61	4.07	3.45	2.13	3.55	1.17	4.31	1.48	1.84	.92	
June	.67	1.18	3.06	2.41	3.07	2.55	2.92	4.81	.80	2.63	
July	2.28	3.82	2.64	2.53	2.82	5.64	3.21	1.95	4.13	5.08	
August	4.22	5.34	6.41	3.14	1.25	4.52	.21	4.92	2.59	5.05	
September	2.20	4.25	4.12	4.03	4.77	5.40	2.18	5.94	1.45	9.07	
October	6.31	4.27	8.48	3.82	4.47	.47	.66	3.37	5.60	3.10	
November	8.21	1.16	2.94	8.03	.30	6.29	3.90	3.51	5.01	4.18	
December	1.65	6.94	2.65	4.25	3.15	4.47	1.26	5.62	4.64	1.97	
TOTALS	33.11	44.06	47.06	39.91	36.30	41.78	31.91	43.82	35.01	46.99	

1941 - Dwelling House 23' high 32 yds S.E. Minibus 7' high 6 yds E.
 1942 n.p. low. Engineer says gauge sound.

10

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map Reference No. 3598370

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1941			Cothcle	70 yds	N.W.	Hensingham	500 yds S.S.E.

BRITISH RAINFALL ORGANIZATION

T 31.12.55

RAINFALL at Whitehaven (Scragill Reservoir)

Station No. 3657

County of Cumberland

Observer The Borough Engineer Surveyor

River Basin West Coast Streams - 3

Type of Gauge Standard

Annual Average 43.5 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 339605/34

Diameter ...	8"			592	245						
Height ...	1' 0"					1					
Altitude ...	188'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	5.14	3.28	2.76	2.85	2.61						
February	3.14	.77	1.47	5.22	1.19						
March	4.52	3.15	.35	3.26	2.02						
April	1.59	3.40	1.99	1.02	2.89						
May	1.21	2.52	2.66	3.73	2.46						
June	1.62	2.78	1.55	4.94	4.83						
July	3.05	1.81	4.78	4.93	3.46						
August	7.80	4.01	4.01	4.67	2.67						
September	6.45	3.16	6.25	6.39	3.22						
October	.64	3.03	2.53	8.12	2.49						
November	6.89	1.75	5.97	8.55	2.31						
December	5.79	4.57	3.36	4.38	4.51						
TOTALS ...	47.74	34.23	37.68	58.06	34.56						
	D	D	D	D	d	#					

1951 Dwelling House 23' 31yd SE; Shrubbs 7' 6yd E:

Terminated w.e.f. 31.12.55. Letter 9A in file.

1955 Jan. Feb. & Dec. adj. M.O. 33

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 25 983 10

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Carkwick	747yd	NW	Hensingham	500yd SSE

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓ 47, 49	
		✓	✓	✓	✓	