

RAINFALL at Ulpha No.1 and Ulpha, Dutton Woods,Cumbria (1935)County of North Lancashire 1934 Observer Claude Diamond, Esq.River Basin Dutton &c - 13Type of Gauge Standard + C - 4 (1935)Annual Average 5.5 in. based on 11 years obs. un-weighted. Period of average 1921-1935 Ref. 3**ULPHA No.1 44-589357****ULPHA 44-589358****NGR SD 209947****NGR SD 209947****Alt 251ft****Alt 255ft**

Diameter	11.				5"						
Height	1.6.				1.0						
Altitude	251.			25.	251						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean
January	8.05	7.90	5.26	8.21	5.10	10.24	8.23	10.48	11.78	(5.68)	8092
February	7.15	2.20	5.83	.58	11.16	3.23	13.06	4.09	9.68	2.81	5779
March	1.02	5.49	5.00	5.48	2.08	5.85	4.87	3.53	7.30	8.29	4891
April	4.33	5.34	3.29	3.88	6.54	1.39	5.22	1.35	5.05	3.99	4026
May	3.44	5.96	3.51	4.37	1.26	1.26	2.65	7.23	1.11	1.41	3230
June	7.81	2.59	4.51	2.25	5.45	5.80	4.57	8.03	5.47	1.55	4803
July	7.05	6.59	5.41	1.86	4.21	7.65	4.44	12.09	11.53	7.84	6867
August	4.04	1.59	4.58	6.50	4.16	5.84	5.93	5.76	3.26	3.46	4512
September	2.65	7.78	1.05	8.48	12.39	7.61	6.39	6.60	3.67	7.95	6447
October	4.65	12.17	5.29	9.15	12.60	4.02	3.90	17.18	3.34	8.59	8889
November	13.49	3.98	3.62	2.15	7.48	10.22	2.96	12.98	10.81	10.37	7206
December	7.31	6.74	2.01	10.80	7.96	10.51	6.69	8.39	4.47	11.61	7651
TOTALS	70.89	66.33	49.36	63.71	80.39	76.60	68.91	97.81	77.49	73.45	72494
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.

1932. Walls 5' high 55' 13" 51' N. Inspected 1934:- Exposure unsatisfactory. Recommended that a standard gauge be set up in a turf wall on site selected on the other side of the river, and that comparative readings be taken until the end of the year when the old gauge should be abandoned.

Under 1935 Standard g. at alt. brought into use at near alt. 150' w of old site from N. to S. (Cumbria 1/4 across R. Dutton) - continuation - old g. discontinued from 31/12.

1935 Gauge house 10' high 140' E

1935 Turf wall round new g. - footings in B.R. also footings in N. down 1"

1940 Jan. part abd.

NB. Rejected from survey as 10' too low.

(Continued overleaf)

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
1932.			Broughton	4 m.	S.	Ulpha	2 m.	S.

Station No. T.F. 2658/5

RAINFALL at S. Ulpha, Daddons

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County of Cumberland

Observer Claude Dainard Esq.

River Basin Duddon &amp; C. - H.

The Engwiler Barrow.

Type of Gauge Howard

WATER ENGINEER, Barrow

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

File No. 11156.131

Diameter	5"				589	358						
Height	1' 0"					1						
Altitude	251'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	8.50	12.46	14.13	9.67	6.64	12.04	8.96	3.29	7.13	6.14	93.96	
February	6.91	3.79	6.05	4.02	8.27	6.46	1.96	5.84	5.93	7.99	51.22	
March	4.78	6.75	2.33	1.14	5.09	4.15	13.23	4.61	5.58	5.87	53.53	
April	3.89	3.48	4.74	4.52	4.05	2.44	7.83	1.35	8.11	5.66	49.07	
May	5.83	5.54	6.27	4.53	5.33	1.97	5.05	3.74	3.55	2.92	44.23	
June	.94	1.55	5.54	7.75	6.18	7.10	4.37	10.00	1.22	4.46	49.11	
July	3.01	6.75	5.37	4.51	5.64	7.36	5.03	5.09	4.16	6.44	53.36	
August	8.27	8.69	12.72	6.88	2.20	6.54	.12	8.29	4.56	11.32	69.59	
September	3.13	7.46	10.11	10.35	6.93	12.45	6.18	8.85	3.73	17.47	86.66	
October	9.25	10.78	9.04	9.09	8.43	1.30	1.35	7.47	10.17	7.56	74.44	
November	5.29	2.50	6.30	12.18	7.3	14.66	10.71	6.86	10.25	7.25	76.73	
December	5.42	11.32	4.50	7.68	6.06	11.20	5.29	8.31	11.29	4.72	75.79	
TOTALS	59.72	81.07	87.10	82.32	65.55	87.67	70.08	86.70	75.68	87.80	783.69	10

8" Tuff wall round gauge.

Hyd. Sta. No. 44-589358  
 NGR SD (34) 209947  
 Alt 255ft. 78m } Added for Rainmaster  
 Oct. 1975.

Retro (1935): Addition to name. Cards being received as 'Daddons Wicks'.  
 ∴ name expanded from 'Ulpha' to 'Ulpha, Daddons Wicks'.

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. 3658/5 T.F.

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RAINFALL at S Alpha Duddon W. WksCounty of Cumberland Observer Water Engineer, Barrow.River Basin Duddon & L. - 4Type of Gauge Howard No. Mk IIAnnual Average 77.7 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 591" " 80.47 " " 22 " " within 1936-57 " " 1916-50 File No. 111556/31

Diameter ...	5"				589	358				5"	
Height ...	1' 0"					1				6"	
Altitude ...	251'					51				255'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	8.81	7.32	6.21	6.54	6.08	6.23	8.40	10.03	4.84	12.67	77.13
February ...	8.58	3.28	2.94	6.97	2.92	1.07	7.15	12.35	3.11	14.32	62.69
March ...	7.72	6.84	1.27	6.58	2.97	2.80	6.51	2.51	5.24	2.38	44.82
April ...	3.74	5.77	5.49	2.01	4.95	1.37	2.17	2.68	4.84	6.13	39.15
May ...	3.53	4.26	3.75	4.59	6.24	4.89	5.10	5.68	1.59	4.37	43.00
June ...	1.72	5.68	3.18	7.92	5.28	3.27	3.24	4.73	5.00	3.29	43.31
July ...	6.41	4.94	9.73	9.16	4.43	8.18	7.38	5.63	4.75	11.66	72.27
August ...	9.17	9.19	8.17	8.63	3.35	14.21	6.83	9.01	.90	6.73	76.19
September ...	10.73	5.50	11.37	11.84	5.88	5.69	13.17	9.11	1.96	5.93	81.18
October ...	1.47	6.81	3.55	16.46	4.61	8.20	9.32	8.90	9.51	5.19	74.02
November ...	14.70	3.35	14.87	18.02	4.24	3.07	4.29	3.88	9.94	14.15	90.51
December ...	14.26	9.39	6.16	10.49	10.70	11.32	10.57	6.77	15.30	8.35	103.31
TOTALS ...	90.84	72.33	76.69	109.21	60.65	70.30	84.13	81.28	66.98	75.17	807.58
	D	D	D	D	D	D	D	D	D	D	10

Inspected 15.4.60 by W. H. H. H. H.. Roof well not completely visible. g. centre area filled in to some extent.  
o/c S.S.W. - adding from river embankment.

Retro (1935): Addition to name. Cards being received as 'Duddon W. Wks' ∴ name amended from 'Alpha' to 'Alpha, Duddon W. Wks'.

§ Turf Wall.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SD(44)209947

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19 <u>183</u>	1920-30 <u>183</u>	1931-40 <u>183</u>	1941-50 <u>183</u>	1951-60
	✓ ✓ but - 19	✓ ✓ but - 21	✓ * 1835. ✓	✓ ✓	