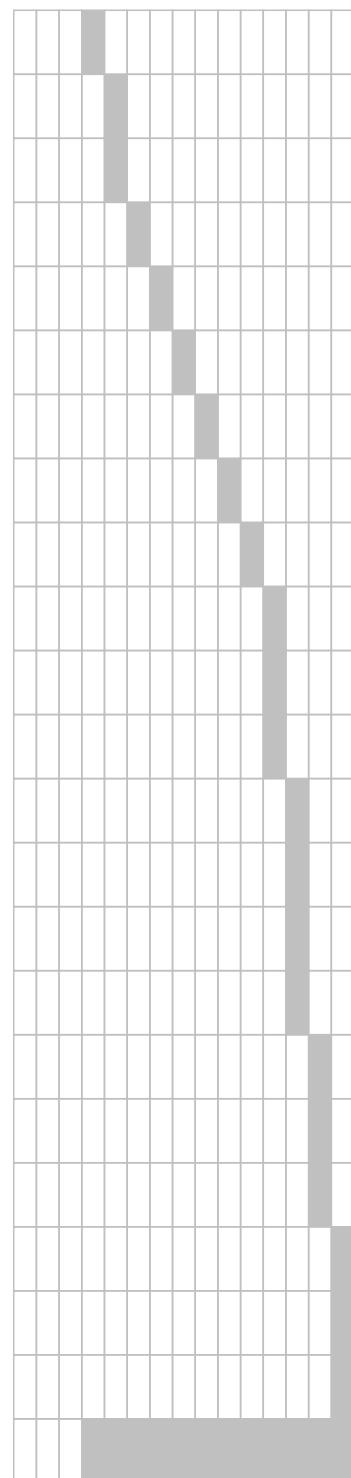


STYLE-HEAD-TARN [GitHub link]

TYRain_1840-1849_E_pt1-page-128.jpg	Page 2
TYRain_1850-1859_F_pt1-page-259.jpg	Page 3
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TYRain_1860-1869_06_pt1-page-010.jpg	Page 5
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40

RAINFALL AT *Stye Head Tarn**On the shoulder of Great Gable at the eastern extremity
of the Vale*

Observer.....

Rain { By.....
Gauge { Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

12.90

1463

YEAR.....	1846	1847	1848	1849	MEANS.
January.....					
February			27.54		
March		18.07	9.17		
April.....	X		3.22	3.40	
May	21.62		7.56	6.00	
June.....	6.26	7.12	9.40	3.49	
July	17.76	3.66	13.18	14.50	
August.....	11.03	10.22	12.31	10.20	
September.....	4.22	10.92	7.51	4.87	
October	15.35	17.50	14.85	15.23	
November.....	7.32	20.00	11.34	15.88	
December.....	7.13	13.77	13.33	?	
TOTALS		108.82	124.95	97.21	

C C C C

x This Gauge was not put up till May but to avoid confusion it was estimated up to the time the others were put up.

50

8-3-113

Rainfall at Stye Head Tarn
Miller's Map No XXIV

Observer

Range

Above Sea Level 1448 ft.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	27.94	14.40	17.18	—							
February - -	13.32	—	12.40	—							
March - - -	17.95	16.26	.45	23.41							
April - - -		4.36	1.19	6.32							
May - - -	6.05	3.92	9.57	.34							
June - - -	6.15	7.80	12.00	4.59							
July - - -	10.98	9.71	8.25	20.30	#						
August - -	13.59	12.60	12.55								
September -	5.76	5.56	4.60								
October - -	17.10	16.11	8.00		37.69						
November -	25.53	—	—								
December -		9.44	38.00								
TOTALS -	123.47	100.16	124.19	92.65							

C C C * Estimated

8-54
1-3 Miller 5-46

50

Rainfall at the Sty

E - J - 112

On the shoulder of Sprinkling Dell

Observer Miller's Map xxvii Mrs

Mr. Dixon

Gauge

Above Sea Level 948 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	38.86	27.60	24.20	17.37	4.59	10.29	16.72	14.83			
February - -	29.40	17.36	22.18	—	12.68	1.42	14.80	16.45	2.62		
March - - -	5.06	9.93	.92	8.37	11.02	10.28	1.65	10.20	11.52		
April - - -	20.30	6.02	.86	13.86	3.53	6.34	7.13	5.22	8.57		
May - - - -	8.36	4.72	12.04	1.19	9.01	4.42	5.26	5.28	9.61		
June - - - -	8.41	12.88	14.13	4.98	15.02	9.48	14.89	9.12	2.38		
July - - - -	13.31	19.12	9.08	23.05	8.38	6.40	7.32	10.12	8.32		
August - -	20.27	17.04	14.12	11.77	12.48	12.34	6.15	6.09	8.71		
September -	9.91	5.86	5.43	11.55	12.90	4.22	9.32	9.13			
October - -	17.11	23.45	9.07	14.60	15.52	23.05	10.00	8.05			
November +	28.06	4.89	17.70	10.05	10.93	9.14	7.08	8.26			
December +	14.14	9.49	34.60	1.29	24.68	7.48	19.22	21.56			
TOTALS -	169.62	167.73	124.91	153.52	99.16	113.11	116.20				

C C C C C C C C

+ running over
X frozen

54243)

Rainfall at Stye Head Tarn**60***Altitude*

Diameter of Gauge, 4 in.

Height above Ground, 6 ft. in.

Above Mean Sea Level, 1472 ft.

YEAR - -	1864	1865	1866	1867	1868	1869	MEANS.
January - -	13.10	8.00	17.11	14.46	9.94	18.07	
February - -	5.52	15.25	10.00	12.79	14.31	13.30	
March - - -	6.27	5.50	20.65	5.59	21.10	3.93	
April - - - -	2.85	2.79	4.12	15.31	9.86	10.26	
May - - - - -	4.20	14.33	4.58	5.59	6.41	3.33	
June - - - - -	10.23	1.08	7.15	4.80	3.65	5.60	
July - - - - -	6.50	7.30	10.11	11.63	3.44	8.44	
August - - - -	10.32	12.63	12.50	15.35	14.28	5.42	
September - -	13.40	8.49	17.44	12.40	5.33	20.55	
October - - -	6.40	11.14	7.25	15.02	14.62	11.94	
November - - -	13.30	11.64	17.27	10.00	7.21	14.16	
December - - - -	16.64	9.62	16.88	15.41	20.56	18.70	
TOTALS - - - - -	108.73	99.05	135.06	128.35	130.71	133.70	

*c c c c c c**Monthly*

592431

70

RAINFALL AT *Stye Head Tarn*Lat..... Lon..... County of *Cumberland*Rain Gauge, by..... Observer *J Fletcher Esq M P*

Diameter											·4
Height											·6
Altitude	1472										1472
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>frozen</i>	31.52		14.48	14.00		20.05				
February	<i>do</i>	16.15			<i>frozen</i>		22.36				25.85
March	31.74	13.05				10.73					14.40
April	—	7.62	8.96				6.16	10.40			3.75
May	14.41	5.09			8.65	3.00	8.95	9.15	5.64		
June	4.90	12.03		1.98	11.88	7.28	10.70	6.50	11.10		
July	3.14	7.90		8.08		6.50	16.90	3.20	13.65		
August	2.75	12.19			14.22	6.90	14.30	9.13	13.43		
September.....	10.46	26.34		18.06	9.70	11.26	5.80	15.30	18.95		
October.....	24.88	17.96	14.74		11.30	6.32	22.80	16.00	10.71		
November.....	7.82	13.05	9.18		3.15+	8.64	18.90	.15			
December.....	7.44	13.60	10.51	13.07		14.20	15.42	7.65	15.10		
TOTALS			177.04				162.34	103.33	106.73		

C C

1879 Jan. Feb. & how^c frozen1875 Nov^h g. contained 3.15 "and some ice"

RAINFALL AT Stephead Farm

80

Lat......

Lon.

County of Cumberland

Rain Gauge, by

Observer J. Maitland, Esq.
9217 E. Main

Mr. E. Wilson

- Derwent - 2.

RAINFALL AT *Stylehead Tarn*

Lat.

Lon.

County of *Cumberland*

Rain Gauge, by

Observer

G. J. Symons Esq F.R.S

Derwent - 2. Monthly

Diameter	4										MEANS.
Height	0 6										
Altitude	1472 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	
January	10.00	16.10	3.06			7.70		20.15			
February55	4.35		38.10		15.00	9.60	14.50		25.85	
March	33.20	3.60	3.80	21.10	10.20		15.65		22.10	7.90	37.452
April	5.90	8.10	3.61	1.45	6.00	7.70	5.50	22.30	15.15	16.30	
May	7.65	5.35	12.09	7.60	7.20	.65	1.20	6.05	7.90	8.60	6.429
June	16.00	4.10	8.28	4.60	10.35	3.00	7.30	9.25	10.85	2.75	7.648
July	13.80	6.15	8.38	12.00	8.00	9.00	10.50	7.50	5.15	9.60	9.008
August	15.90	16.25	21.10	13.90	15.00	12.00	10.70	19.25	18.45	3.90	14.645
September....	12.65	26.50	16.73	11.40	.20	4.50	19.15	12.25	10.85	12.45	12.668
October.....	11.80	12.10	13.10	14.20	15.95	10.00	11.50	8.50	11.80	12.20	12.115
November....		11.95	10.15	9.25	13.75	8.80	5.10	21.65	16.40	16.50	
December....	26.00	16.85	9.35	25.40	7.95	12.60	20.55	23.25	16.00	4.55	24.605
TOTALS ...	142.90	121.50	127.04	123.96	132.70	83.25	124.45	144.50	154.80	120.60	127.590

1891 July gauge read on 29th Sept. & not read till Oct. 2?

RAINFALL AT *Stylehead Farm*

Lat.

Lon.

County of

Cumberland

Rain Gauge, by

Observer *H. J. Wallis & Son*

Elevation - 2. M

Diameter ..	4										MEANS.
Height ..	0 6										
Altitude ..	1472 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..	15.90			21.55 (19.25)	8.65	21.65 (8.15)	(20.00)	(10.00)			
February ..	6.00	13.00	17.80	23.55	8.95		(9.10)	(9.55)	(10.00)		
March ..	.85		8.40	27.05	25.40	17.10	18.80	12.25	(1.00)	20.55 (4.20)	
April ..	8.15	15.30	5.43	4.60	14.95	16.00	8.50	8.70	4.30	5.00	
May ..	8.90	3.80	6.35	9.50	9.30	10.50	20.65	10.65	9.60	5.10	
June ..	10.75	9.20	2.35	3.85	4.40	7.35	4.50	24.85	9.75	2.40	
July ..	5.90	3.00	9.70	14.90	7.85	8.70	10.50	5.90	10.85	16.30	
August ..	15.50	15.50	9.60	23.70	11.25	13.50	14.20	16.45	13.20	8.20	
September ..	13.60	12.90	6.20	13.00	10.15	11.50	4.20	2.25	17.30	3.60	
October ..	15.40	18.15	12.60	27.40	12.90	14.85	17.10	17.25	6.80	(15.00)	
November ..	10.70	20.00	11.00		26.25	16.30	15.30	15.45	11.25	12.00	7.40
December ..	26.15	13.20	16.05	25.50	16.90 (13.90)	(11.10)	(21.65) (12.50)		21.60		
TOTALS ..	137.80	124.05	105.48	17.75	194.60	148.65	146.30	141.65	148.45	(135.85)	(108.80) (30.163) 36.53

in mm

1903 Dec: .75 m ago postponed to 1904 on the bottom of the gauge on Jan 6th 1904 after 2 months frost1904 Jan Gauge cleaned on Jan 6th after 2 months frost

1908 Jan Estimated

1909 Oct Gauge burst

10
3624

RAINFALL at Sty Head Tarn

County of Cumberland

Observer Dr H R Mill

River Basin Derwent 2

S. Richardson (11)

Rain Gauge, by

W. Edmondson (16)

Diameter ...	4										
Height	0 6										
Altitude ...	14727										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				13.10	(12.90)	16.20	32.70		11.60		
February ...	36.20	27.40	{ 18.00	9.30	21.40	20.70	14.80	{ 7.80	13.00	9.40	
March		7.00	19.00	12.40	12.65	9.00		3.20	8.60		
April	8.90	12.80	3.97	12.80	5.30	9.15	32.20		5.80	2.20	10.40
May	6.90	10.00	5.30	10.10	7.70	1.40	12.50	6.00	2.60	2.60	
June	3.40	12.40	13.50	14.05	3.70	3.20	7.60	5.60			4.80
July	12.20	3.15	10.15	2.25	7.95	13.80	7.60	3.80			4.20
August	18.00	10.20	17.80	8.80	13.45	4.50	6.85	16.00	11.55	7.00	
September ..	2.30	9.80	6.78	5.20	6.50	3.13	8.05	11.20	18.15	9.10	
October ...	6.60	13.70	18.65	9.35	4.10	4.05		17.40	8.35	2.60	
November ..	9.50	18.00	18.45	13.80	26.50	6.70	31.10	9.00	6.60	7.90	
December ...	22.70	24.30	24.60	(15.50)	23.25	22.85	5.20	10.80	10.50	11.90	
TOTALS ...	126.70	148.75	156.20	126.65	145.80	114.18	158.60	96.60	105.95	69.90?	

1916 June. g. repaired.

Inspected H.R.B. 25/8/20. G. diameters 398. 399. 398. American quite sound but outer has hardly any bottom left to it.

Good exposure, fixed in rocks 40 ft above the Tarn.

Notes May 1919 (Edmondson)

g. leaking from Augt 1916.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

Form B.R. H. 20.

3624

20

RAINFALL at Sty Head Tarn

County of Cumberland

Observer British Rainfall Organization
W. Edmundson

River Basin Derwent 2

Air Ministry

+ Galvanometer Rain Gauge, by No 3
In good condition except 10.640
front under bar rain

Drainage 4.97

5.02

1. Barnbridge for no.

Diameter ...	4				5						
Height	0.6				1.6						
Altitude ...	1472										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	(11.00)	27.00	19.50	20.50	12.00	(10.00)	18.50				24.46
February ...	9.00	1.55	11.70	16.00	(2.90)	14.00	22.00				(2.20)
March	13.25	20.70	11.00	5.40	(3.10)	4.50	8.89				10.00
April	12.05	3.20		9.00	6.00	18.00	7.83				5.02
May	6.25	6.70	11.20	8.80	13.50	16.30	8.30				5.30
June	5.00	1.50	10.00	8.00	10.70	1.50	10.77	13.27	9.20		7.12
July	7.70	5.20	14.60	13.40	13.60	5.40	8.06				7.24
August	6.70	17.55	13.50	22.20	14.00	14.00	11.70	17.94	22.84		20.25
September...	9.00	4.10	10.70	16.50	21.00	9.60	13.25	11.25	4.60		10.50
October.....	2.00	6.00	7.00	26.00	11.40	17.00		22.15	7.45		29.15
November...	6.00	6.45	6.65	(19.80)	14.40	(4.50)	31.28	32.20	32.80		16.40
December...	7.70	21.00	21.00	(12.50)	(24.00)	(12.50)	(5.00)				26.80. (14.75)
TOTALS...	95.70	120.95	136.55	178.10	(46.60)	122.30	(145.58)	imp. imp.	(152.39)		

1920. Gauge inspected H. E. G. 25. VIII. 20. See Cast sheet.

meets 11.20.

1923. Now + Dec. corrected for date of reading.

1924. S. frozen end of Feb. + Dec. approximated.

1925. Feb. 25. Estimated by acc. stan.

+ Inspected R. Corless X. 25. + fixed in stone block on ground sloping to E (say 25°) to N.W. of Tarn about 70yds from edge of water. Big boulders break force of wind & probably check overexposure.

Hill W.E. 20/25° 1924. Record unreliable. For reasons see file 631803/251820297/8.

E. 16/17° 1928. Gauge frozen 12/29. Not visited Feb 2nd. Burst Feb 25. July, tampon with dec frozen.

S. 10°

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

Map, 2 miles to 1 inch Series }

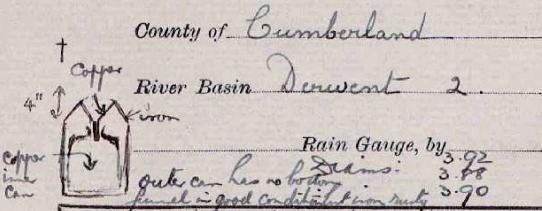
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

Form B.R. H. 20.

3625

20

RAINFALL at The Styke B. Glb.

Observer British Rainfall Organization
W. Edmondson

Air Ministry

J. Barnard for M.O.

Diameter ...	4										
Height	0.6										
Altitude ...	1077										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	(26.00)	41.00	17.00	25.20	15.40	15.00	29.20	(40.00)	4.95	28.85	
February ...	22.00	1.65	19.50	18.40	(3.80)	18.00	25.50	(19.85)		2.15	
March	26.00	33.00	12.55	6.90	(4.20)	6.10	9.41	11.25	7.96	10.20	
April	18.00	3.70		12.00	7.80	17.50	9.58	7.51	6.22	4.40	
May	17.30	9.00	13.00	12.00	16.50	19.20	9.06	1.33	10.88	4.75	
June	7.00	1.95	13.75	9.60	14.00	1.50	18.80	16.92	9.40	6.10	
July	16.50	7.50	15.50	15.52	15.50	5.50	12.16	20.15	16.80	7.90	
August	12.25	24.15	14.00	30.50	17.30	16.50	12.37	18.53	23.72	22.05	
September...	14.50	5.75	12.40	22.50	26.00	10.65	15.12	13.15	6.75	9.20	
October.....	2.16	8.30	5.30	33.00	15.00	22.50		21.26	20.25	28.75	
November...	12.00	8.30	7.70	28.50	21.00	(5.00)	31.28	29.53	35.86	16.50	
December...	14.12	34.50	25.00	19.15	34.50	(14.50)	(5.00)	14.50	28.60	(15.00)	
TOTALS...	187.83	178.80	159.50	233.27	191.00	151.95	(177.48)	(214.00)	170.39	(155.85)	

1920 Gauge Inspected H.B.C. 25. VIII. 20. See last sheet

1924. S. frozen in Feb.

1925 Inspected R. Corless X. 25. Pl. set in stones 3 yds. to S.W. of B. new.

1926 Nov 10th 9 frozen totals apportioned by our elts.

1927 Record unreliable. For seasons see files 631803/25, 820297/26.

1928 Gauge frozen 31/12/27 and overflows Feb 3/28. Estimated, probably reliable.

1929 Printed.

1930. See estimated by surrounding trees of frozen.

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

Form B.R. H. 20.

592439

3626

20

RAINFALL at The Style B. Now

County of Cumberland

Observer British Rainfall Organisation
Mr. Edmundson

River Basin Derwent - 2

Air Ministry

+ Seathwaite Rain Gauge, by 21.3y
Lancen rug at bottom. Dims: 5.03
3.00
4.98

J. Bainbridge for M.O.

Diameter ...	5									1930. MEANS.
Height	1	6								
Altitude ...	1070									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	(24.00)	42.00	19.00	26.80	16.00	15.60	30.00	(50.00)	(5.25)	30.67
February ...	23.85	1.70	19.00	20.60	(4.50)	23.00	29.20	(21.35)		3.60
March	29.00	36.00	11.30	7.25	(4.90)	7.00	11.95	(3.00)	(8.45)	11.50
April	19.35	4.60	4.80	13.90	8.50	19.00	10.36	8.65	(6.60)	4.15
May	18.00	9.20	13.90	12.25	16.60	20.00	10.04	16.5	(11.55)	5.20
June	11.15	2.05	13.65	10.50	14.80	1.90	12.05	18.00	9.82	6.80
July	17.45	7.90	15.45	16.60	15.70	6.00	12.38	25.30	17.84	8.12
August	13.50	23.50	16.00	31.20	18.20	17.40	12.35	20.30	24.76	23.10
September...	14.65	5.90	14.15	22.70	28.00	11.50	15.02	14.25	6.16	10.90
October.....	2.15	8.35	8.15	34.00	13.30	23.20	(9.56)	26.80	(21.40)	30.50
November...	14.00	8.45	7.90	30.00	23.00	(6.00)	(21.00)	34.40	38.00	7.45
December...	16.10	35.00	29.50	21.50	36.00	(16.40)	(5.00)	16.30	31.50	(16.00)
TOTALS...	203.20	184.65	172.80	247.30	201.50	167.00	(178.91)	(250.00)	(181.33)	(167.89)

1920 Gauge Inspected 25- VIII-20. H.E.C. See Cast sheet.

1924. Feb. & March corrected for 6 ft rain in Feb.

+ Inspected R. Corlett 8.25. Gauge set in concrete block, on slope of
Seathwaite Fell (marked on map) the ground sloping steeply to N. (very stony at 15°).
is S.S.W. ab. 29°

Elevation > E. < 15° 1930. Dec 9. frozen. Estimated by adj. stns.

Bare Brow Bank > W. 20°

1926. Oct. & Nov. apportioned. Water frozen at end of Oct.

1927. Record unreliable. For reasons see file 631603/25 & 820297/28.

1928 See Style B Ord. water in rates can. Probably unreliable.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

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

A.M. Form 1356.

Air Ministry, Meteorological Office.

M 3624.

31

RAINFALL at Styhead Tarn

County of Cumberland Observer F. Bainbridge, far M.O.

River Basin Derwent - 2

Type of Gauge Octopent 50 in. (1932) 5006

Annual Average 129.6 in. based on 15 years obs. un-weighted. Period of average 1931-1945 Ref.

145.8

820297/28

Diameter	5.									5	
Height	1.6.									1.0	
Altitude	1472										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	(15.00)	(36.00)	18.00	24.00	15.00	15.50	20.00	23.25	17.50	2.90	175.15
February	(15.50)	0.00	(15.25)	3.50	31.25	8.50	(19.00)	6.75	21.50	(9.50)	115.25
March	2.50	10.10	(11.75)	8.75	4.25	9.75	(5.00)	13.25	11.00	16.75	
April	7.50	12.50	6.50	7.25	9.85	3.00	10.25	2.25	(6.75)	(5.00)	
May	8.10	10.65	5.00	13.00	1.50	2.00	3.00	12.75	(2.00)	(2.50)	
June	13.75	6.50	5.00	8.00	10.00	8.00	12.00	15.50	13.25	(1.50)	80.05
July	22.50	15.75	13.50	6.00	8.75	18.50	11.25	25.25	19.25	(13.50)	131.75
August	8.65	(7.50)	8.00	21.50	11.25	6.00	6.75	9.50	4.75	10.50	8.525
September	9.85	(20.50)	2.50	19.25	18.50	17.00	13.50	11.00	6.00	16.00	
October	11.10	23.00	9.25	(25.25)	26.25	17.50	6.75	34.50	5.75	(16.75)	11.00
November	28.26	12.50	3.75	(6.00)	14.50	18.50	4.75	21.50	30.00	(16.25)	
December	(20.00)	30.00	4.75	23.25	8.00	21.50	8.50	12.00	(6.00)	(19.00)	133.00
TOTALS	(162.71)	(86.00)	(103.23)	168.75	159.10	145.75	120.45	187.50	143.75	(129.95)	

1932. January estimated & Aug. & Sept. adjusted, by surrounding stations

1933 Feb + March allocated total

1939 Dec. gauge frozen, estimated April & May adjusted from date of reading

* 1940 gauge damaged - new 50" Octopent applied - replacement

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

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

A.M. Form 1356.

Air Ministry, Meteorological Office.

31

RAINFALL at Stye Head B old g.

County of Cumberland Observer T. Bainbridge - for M.A.

River Basin. Derwent - 2.

Type of Gauge.....

Annual Average 70.7 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S.

820297/27

1931 N.P. gauge leaking.

Terminated 1931.

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

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

A.M. Form 1356.

Air Ministry, Meteorological Office.

M 3626.

31

RAINFALL at Sty Head B. ~~near g. Tarn~~

County of Cumberland.

Observer F. Bainbridge, for M.O.

River Basin Derwent - 2.

Type of Gauge.

145.7

9

Annual Average 181.2 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. ~~on file~~

Tabels. 212 A & B

820297/28.

Diameter	5.										
Height	1.6.										
Altitude	1070.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	(16.00)	34.70	17.50	24.00	14.25	16.00	25.00	22.50	17.75 (2.90)	19.060	17.460
February	(16.50)	00	(14.50)	9.25	28.00	6.50	22.00	9.00	24.75 6.56	13.100	11.450
March	2.15	11.00	26.25	8.25	4.70	9.75	4.00	15.50	13.00 14.00	9.710	9.795
April	7.75	12.25	5.50	7.00	9.00	2.75	9.00	2.00	(8.00) 5.25	6.850	
May	7.75	8.75	4.75	12.50	1.25	2.50	3.00	12.75	(2.00) 2.50	5.775	
June	13.65	6.00	4.75	7.75	10.25	9.00	11.25	14.75	13.75 2.00	9.315	7.950
July	22.15	14.25	13.00	4.50	10.50	8.25	10.25	26.50	18.50 13.50	15.140	12.925
August	10.50	(7.65)	7.75	19.00	9.75	6.25	7.25	10.50	4.75 13.50	9.690	6.625
September	9.25	(20.75)	2.50	18.25	18.00	16.25	13.00	9.25	6.50 20.00	13.375	
October	10.90	22.50	9.50	26.00	27.00	17.50	7.00 (34.50)	5.25	20.25	18.040	
November	27.25	13.75	3.50	6.75	15.50	18.50	4.45	23.75	28.00 18.50	16.025	
December	20.15	28.00	4.50	22.00	8.75	23.00	8.25	12.00	5.75 23.50	15.590	13.575
TOTALS	(64.00)	179.60	99.50	159.25	156.95	146.25	124.45	193.00	148.00 145.40	151.670	118
				np.	np.						

1932. Aug & Sept adjusted by surrounding stations.

1933 Feb and March adjusted by near stations. Values with exception of April identical with those from the Octapent gauge. This record was therefore not printed.

1938 Monthly total for Oct. estd.

1939 April & May. adjusted for date of reading.

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	Direction	Parish Church.	Distance	Direction
				from gauge	from gauge			

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

A.M. Form 1356.

Air Ministry, Meteorological Office.

592428 m 3626/1
31RAINFALL at Stye Head ACounty of Cumberland Observer F. Bainbridge Esq., for MORiver Basin 2 - DerwentType of Gauge Octagonal

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....

Ref.....

820297/28

Diameter	5"	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
Height	1' 0"											
Altitude	1100'											
January	(84.70)	17.50	25.50	14.50	16.00	23.00	22.50	17.00	(2.90)			17.360
February	.00	(14.75)	3.25	28.25	6.00	21.25	8.50	22.00	9.50			11.350
March	10.25	(26.50)	8.25	4.75	9.50	4.75	12.75	12.25	16.75			
April	(2.25)	6.00	7.00	9.25	2.75	9.50	2.00	(7.75)	5.00			
May	8.75	4.75	12.50	1.50	2.25	3.50	12.50	(1.75)	2.50			
June	6.00	4.75	7.75	10.25	9.50	11.50	14.75	12.50	1.80			7.880
July	14.25	13.00	5.00	10.00	19.00	10.25	25.25	17.75	13.50			12.800
August	(7.50)	7.75	19.75	9.75	6.25	7.15	9.25	4.50	10.00			8.190
September	(20.75)	2.50	18.75	19.00	17.50	12.75	10.00	6.25	16.00			9.10
October	22.50	9.50	27.00	26.25	18.25	(6.80)	(34.00)	5.50	16.75			
November	13.75	3.50	6.80	15.25	19.25	4.50	22.50	28.50	16.25			
December	28.00	4.50	22.50	8.60	22.00	8.00	12.50	5.50	19.00			13.060
TOTALS	(78.70)	100.25	164.05	157.35	148.25	122.95	186.50	141.25	129.95			
	M	M.	M.	M.						M		

Meas. set up on new site 28/11/32.

1932 Jan estimated, Aug & Sept. adjusted by surrounding sites

1933 Feb & Mar. allocated by near stations.

1938 Monthly value for Oct. estd.

1939 April & May adjusted date of reading.

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

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

A.M. Form 1603. Air Ministry, Meteorological Office.

572431

Station No. 3624

RAINFALL at Styhead Tarn

41

County of Cumberland Observer F. Barnbridge for MO

River Basin Derwent - 2

Type of Gauge Octagonal 50 in (1940) nosing

Annual Average in. based on years obs. un-weighted. Period of average Ref.
145.8 in computed by Mr Cornish (1943) f R 20048740

File No. 820297/28

Diameter ...	5"			592	431						
Height ...	1' 6"				1		18/10				
Altitude ...	1472'				41						
Year ...	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(4.50)	(8.50)	23.50	31.25 (13.00)	25.25 (17.00)	22.00	22.75	(17.00)			
February	18.25	(3.95)	15.25	(7.50) (17.75) (13.00)	(2.70)	12.00	17.75	(20.00)			
March	5.50	(9.00)	6.75	3.25	14.00 (13.50)	(12.00)	17.50	8.25	(15.50)		
April	7.50	8.25	10.25	7.50	4.25	5.50	16.80	6.50	14.75	15.25	
May	9.00	10.75	11.25	9.75	14.75	3.25	5.00	7.25	7.75	4.80	
June	1.25	3.25	9.25	17.25	13.50	18.75	8.00	18.75	3.75	15.25	
July	5.00	14.75	9.50	6.75	9.50	14.50	10.00	14.25	10.25	12.50	
August	18.25	16.70	26.75	15.25	3.75	16.50	0.00	16.75	10.50	25.25	
September	4.25	22.25	18.50	16.50	15.75	29.00	14.50	24.50	7.25	40.50	
October	18.25	27.50	18.75	14.75	17.70	1.25	2.75	19.25	15.50	16.50	
November	11.25	4.50	12.25	26.75	17.75	24.75 (31.00)	20.25	25.75	15.75		
December	13.50	25.25	7.75	15.25	11.75	17.50 (13.00)	14.75	32.25	(9.00)		
TOTALS ...	116.50	(154.65)	169.75	171.75	137.45	182.75	132.45	184.25	186.50	(207.00)	10

x 1940 gauge damaged - new 50" octagonal gauge supplied as replacement.

1940. Jan estd. for snow

1942 Jan, Feb & March est'd. from map.

1944 Feb estimated

1945 Jan, Feb est'd. 1946 Feb. and March approximated

1947 Sept. L. lowered to 1' but leak slightly into outer case. See 2638 fl 820297/28

1947 Jun-Feb March Nov. G.T. gauge broken. Dec. values est. same as February.

1950 np too much est. for Feb Mar & Dec estimated.

40004 70004 20004 60004 30004 70034

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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION

A.M. Form 1603. Air Ministry, Meteorological Office.

592439

Station No. M. 3626

RAINFALL at Sty Head B. 41

County of Cumbria. Observer F. Bainbridge for M.O.

River Basin Derwent - 2

Type of Gauge Seath waste gauge

Annual Average 5.7 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. Endo 216 A & B

File No. 820297/28

Diameter	5"			592	439					
Height	1' 6"				1	1' 0" 1x/67				
Altitude	1070'				41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	(4.50)	9.25	27.00	35.50	(13.00)	24.00	(6.00)	26.00	23.50	17.25
February	(17.00)	(4.50)	18.25	7.75	(18.50)	(12.50)	(2.60)	13.50	18.50	20.00
March	5.50	(10.50)	7.25	3.50	17.00	(11.00)	(11.00)	19.00	9.50	15.50
April	7.25	8.00	10.50	7.50	4.25	6.25	(21.00)	8.75	26.25	16.00
May	10.50	10.25	11.25	9.75	17.00	3.00	3.50	7.50	7.75	4.00
June	1.25	3.25	9.50	17.25	13.50	19.00	9.00	19.25	3.75	15.00
July	4.75	17.00	9.75	7.25	9.75	17.00	10.00	13.25	9.25	12.75
August	21.00	18.25	29.00	17.00	3.75	17.25	.00	17.50	10.25	23.50
September	4.50	26.50	20.50	16.00	15.25	31.50	17.50	20.25	7.25	39.25
October	19.50	29.50	21.50	15.50	16.75	1.50	3.25	20.00	15.75	16.50
November	12.50	5.25	13.50	27.75	1.75	31.00	(30.00)	20.00	25.25	15.50
December	14.25	29.50	8.25	15.00	11.75	21.75	(12.00)	16.50	32.00	8.50
TOTALS	(122.50)	(10.75)	186.25	179.75	142.25	195.75	(35.85)	206.25	189.00	203.75

10

1941. Jan. est'd. for snow. Feb. cord. np high.

1942. np high. Feb. & Mar. est'd. for map.

1943. np high.

1944 np high. Jan & Feb. est'd. 1946 np high. Feb. & March approximated

1945 np high. Jan & Feb. est'd. 1946 np high. Feb. & March approximated

1947 G. in snow condition, not at 1' by Ton Wilson in Sept (see endo 216 A & B file 820297/28)

1948 Jan, Feb, March, Nov. est. gauge frozen. Dec. est. gauge overflowing.

60004 30004 60004 30004 74034

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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION

A.M. Form 1603. Air Ministry, Meteorological Office.

5294-8

Station No. 3626/1

41

RAINFALL at Sty Head "A"

County of Cumberland

Observer F. Brainbridge Esq for M.O.

River Basin 2 - Derwent

Type of Gauge O. Carpenter 30 m (1932)
Nov. 1945Annual Average in. based on years obs. un-weighted. Period of average Ref.
139.8 in. compiled by Mc Cormish (1943) f A 200487/40

File No. 820297/28

Diameter	5"			592	428						
Height	1' 0"	1			1		1'				
Altitude	1100'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(4.50)	9.00	19.50	28.00	(12.50)	23.75	(16.00)	22.25	19.75	(16.00)	
February	16.50	(4.50)	14.50	6.75	(10.00)	(12.50)	(2.60)	11.25	16.00	(19.00)	
March	5.25	(10.50)	6.50	3.00	13.50	(10.50)	(11.00)	16.50	7.75	14.50	
April	7.25	7.75	9.50	7.00	4.00	(5.00)	14.00	6.00	23.00	13.75	
May	9.75	9.75	11.00	9.00	14.25	3.00	(3.50)	6.75	7.50	4.00	
June	1.25	2.75	8.75	15.50	11.75	13.00	8.00	18.00	3.00	14.00	
July	4.50	15.00	8.75	6.50	9.00	13.00	9.50	12.00	9.00	11.75	
August	17.75	16.30	24.75	13.50	10.00	16.50	0.00	16.00	10.00	(22.89)	
September	4.00	20.50	17.00	15.25		26.50	14.75	23.75	6.75	(38.00)	
October	17.00	25.00	17.50	13.50		1.25	2.75	17.75	15.25	14.25	
November	11.00	4.25	11.50	23.50	10.00	25.75	(30.00)	8.75	23.50	14.25	
December	11.50	23.00	7.25	13.00	11.50	15.00	(12.00)	14.75	30.00	7.75	
TOTALS	110.25	(48.30)	156.50	154.50	103	165.75	(124.10)	182.75	171.50	(89.75)	10
	M	M	M	M	inc	M	M	M	M	M	

1941. Jan. estd for snow.

34004 72034

60304

1942. Feb. & Mar. est'd. from map.

1945 Sep. 3rd Gauge badly buried. Just to 0.6 for outcome. 1946 Feb. & March postponed April est'd.

1947 Sept. Gauge moved 20' nearer stream by Tom Wilson & set at 1' above ground. file 263B fl 820297/28

1948 Jan. Values est. gauge from Dec. values cont. gauge rearing.

1950 np too much est. Jan Feb Aug Sept estimated.

40004 30004

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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION

A.M. Form 1903. Air Ministry, Meteorological Office.

Station No. 3624

51

RAINFALL at Styhead Tarn

County of Cumberland

Observer

F. Barnbridge Esq. M.O.

River Basin Derwent - 2

J. Edmondson Esq. W.E.F. 1957

Type of Gauge Octapent 50 in. (on loan)

Annual Average in. based on years obs. un-weighted. Period of average Ref.
" " 1452.92 computed by Mr. Barnbridge 1957-58 1916-50
File No. 820297/28

Diameter ...	5"				592	431					
Height ...	1' 0"						1				
Altitude ...	1472'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(21.00)	(15.50)	17.25	(15.00)	16.00	10.25	(26.00)	(20.50)	12.50	22.50	X
February ...	(20.00)	(6.00)	11.75	(7.50)	(4.00)	4.50	10.25	20.00	10.00	18.00	
March ...	(17.00)	(11.25)	3.75	25.65	12.00	6.50	11.50	5.00	10.25	7.00	
April ...	10.75	(10.50)	11.00	5.65	9.50	3.75	6.00	8.00	11.00	15.00	
May ...	3.50	(10.00)	(6.00)	7.00	(6.50)	13.75	8.25	12.00	3.00	7.00	
June ...	5.50	(11.75)	7.25	18.75	100	5.95	6.25	9.00	10.50	8.00	
July ...	19.50	(12.25)	27.50	20.50	100	18.25	15.25	12.50	16.00	14.00	
August ...	17.50	(23.00)	13.25	18.00	6.50	22.50	14.25	12.25	2.50	9.00	
September ...	25.00	(13.25)	34.00	28.75	100	9.75	16.00	13.00	3.00	10.25	
October ...	2.75	(15.00)	11.75	40.50	100	16.25	20.75	21.00	16.00	7.50	
November ...	33.50	(6.20)	31.75	31.50	6.75	8.25	7.25	4.00	17.00	27.00	
December ...	29.00	(13.30)	12.75	22.25	22.50	26.50	22.00	12.50	28.00	16.00	
TOTALS ...	(205.00)	(148.00)	188.00	(241.05)	100	146.20	163.75	149.75	139.75	161.25	10
	M	inc	M	H		M	M	M	M	M	

1952 Early December (-46 in) snowmelt. The total given was 168.50 m. which seems too big even taking 177 m. as the average based on 1948-51 against 500 m. scale.

1954 Jan. 7.00, Nov. Dec. appr : 1955 Gauge repaired October. March big. Feb frozen
1956 Jan. Feb. appr'd. H.03.

Repaired dried Sept 56.

Inspected 1.8.6. M.6. Dec. Gauges sound, float protector broken. Measurement by diprod.

Site satisfactory

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 3572211097

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	1920-26 28-32 np 28-29	✓ np 40	✓ np 50	✓

A.M. Form 1903. Air Ministry, Meteorological Office.

Station No. 3626 m

51

RAINFALL at Styhead (B)

County of Cumberland

Observer

H. Bambridge M.O.

River Basin Derwent - 2

T. Edmondson, Esq (W.E.F. 1951)

Type of Gauge Heathwaite gauge (on loan)

Annual Average 145.7 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref. 2128 file

File No. 820297/28

Diameter ...	5"			592	439						
Height ...	1' 0"				1		6"				
Altitude ...	1070'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	19.75	(15.00)	16.50	(14.00)	(16.75)	10.00	(25.00)	21.00	14.00	24.00	
February ...	18.00	6.50	13.25	(8.25)	(3.90)	(4.40)	11.75	21.00	10.00	21.00	
March ...	(17.00)	(10.00)	4.00	16.50	(6.25)	6.50	15.00	5.25	11.50	6.50	
April ...	11.75	(10.00)	10.50	5.50	10.50	3.50	5.75	8.00	13.75	10.00	
May ...	3.50	(9.00)	5.00	6.45	12.25	13.50	7.50	12.50	3.25	8.50	
June ...	5.50	(10.00)	6.50	18.50	14.00	5.75	6.50	8.00	9.00	9.00	
July ...	19.25	(10.00)	27.00	20.25	7.50	17.00	17.50	11.50	17.00	18.50	
August ...	17.25	(22.00)	14.25	17.25	6.50	22.50	15.25	12.50	2.75	7.50	
September ...	24.75	(13.00)	38.00	27.25	13.25	10.25	17.50	12.00	4.00	11.00	
October ...	2.75	(12.00)	11.75	39.50	13.25	17.25	26.50	22.00	23.00	7.00	
November ...	31.00	(6.00)	32.25	42.00	6.75	8.75	6.25	4.50	20.00	33.00	
December ...	28.75	(13.25)	12.75	22.00	22.75	26.75	27.00	14.00	37.00	20.50	
TOTALS ...	199.25	(136.75)	191.75	237.45	(33.65)	146.15	181.50	152.25	165.25	176.50	
	M	imp mm	M	mp	M	mp	70	np	np	np	

1952. Big 0° gaugepole (-32 in) removed. The total given was 159.0 in. which seems too big even taking an av. 178.2 in. based on 1948-51 against Heathwaite.

1954. Jan 2nd av. np by. 1955 - Jan - Jan amended. 1953. Feb. frozen - est'd. 1960 np big frozen

Inspected Mr. Dales 1.8.56. Gauge sound, diprod used. Site off SW. No recommendations

1956. Feb. est'd. 1953. 1958 np big 1959 np big

An av. 176.07 in. based on 35 yrs. 860. Within 1920-57. 18 in. big. Period of av. 1916-50's

Rejected.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 35/229.10X.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
19004	7774		60004 70004	20004 40004		

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C imp 1912	1920-26, 28-30 np 28	✓ np 33, 34, 40	✓ np 41-47, 49	

A.M. Form 1903. Air Ministry, Meteorological Office.

Station No. 3626/1

51

RAINFALL at Styhead (A)

County of Cumberland

Observer

F. Barnbridge Esq. for Mo.

River Basin Derwent - 2

J. Edmondson, Esq. (Ref 1957)

Type of Gauge Octapent 30" (on loan)

Annual Average in. based on years obs. un-weighted. Period of average Ref.
139.52 in. registered by R. P. T. from 1948-51 to 1952-53 1916-50
File No. 820297/28

Diameter ...	5"				592	428					
Height ...	1' 0"						1				
Altitude ...	9160						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	15.50	(15.00)	16.25	(14.00)	15.50	9.50	22.00	(18.60)	11.00	21.25	
February ...	16.25	6.50	10.00	(8.00)	(3.00)	4.25	9.50	17.00	8.50	16.00	
March ...	14.50	(10.00)	3.50	16.50	(6.50)	6.25	13.50	4.00	10.50	6.00	
April ...	10.50	(10.00)	9.50	5.15	9.50	3.75	6.00	6.00	13.00	13.50	
May ...	3.25	(9.00)	5.50	7.00	10.75	12.25	7.50	11.00	2.50	6.00	
June ...	5.25	(10.00)	6.25	17.75	13.50	5.50	6.50	7.50	7.50	8.00	
July ...	18.50	(10.00)	26.00	18.75	6.75	16.50	16.50	10.00	16.00	17.00	
August ...	16.00	(22.00)	13.00	16.00	6.75	21.00	14.50	11.75	3.50	6.50	
September ...	22.25	(13.00)	33.00	25.00	12.50	9.50	16.00	12.50	4.00	10.00	
October ...	2.50	(12.00)	10.50	(36.75)	12.50	16.00	23.50	20.50	21.20	8.50	
November ...	28.50	(6.00)	30.00	(30.00)	6.00	7.75	7.00	4.00	24.50	24.00	
December ...	27.25	(12.75)	11.50	(21.00)	19.00	24.25	22.50	11.00	28.00	17.00	
TOTALS ...	180.25	(136.25)	175.00	(215.90)	121.25	136.50	165.00	133.85	150.20	153.75	10
	M	M	M	M	M	M	M	M	M	M	

1952 Err. of Dugdale (-2.2 in) temporarily. The total given was 158.75 in. which seems to be even taking out 162.1 based on 1948-51 against south winds.

1954 1st full evn. on overflowing, 1955 Feb. frozen est'd. May amended M.O.B. frozen.

Inspected Mr. Deeks 1.8.56. Gauge soundly measured by dip rod. Site satisfactory.

77774

60074 30004

40004

Position of Station on Ordnance One-Inch map :			No. of Map	National Grid Reference 35/2.311.06			
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
				C 1932	7P50 1941-44, 46-56	

