

RAINFALL AT Dartmoor Cowic Head Princeton No. 4

Lat. Lon. County of S. Devon

Rain Gauge, by

Observer H. Francis by C.R.

T. W. Lilliput by C.R.

Dart - 4.

Diameter ..				8								
Height ..				1 0								
Altitude ..				1580								
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..												
February ..					19.80	(18.35)	15.70	4.50	3.95	.90		
March ..					21.95	19.10		4.30	6.10	7.80		
April ..						(3.75)			6.90	3.80	5.20	
May ..					6.20	19.80			7.50	4.35	2.60	
June ..							16.30	7.40	1.80	2.80		
July ..						12.25			3.20	8.60	4.30	
August ..					15.30	12.50			4.00	6.70	3.70	
September ..					(5.50)	(2.00)	1.90	1.60	3.40	2.90		
October ..					(3.55)	(2.50)		10.40	10.50	2.80	13.00	
November ..					19.05	(2.50)	*					
December ..						.15	11.10	14.70	5.10	6.40	4.00	2.80
TOTALS ..					58.50	76.25	63.20	41.05	54.88	(65.65)	58.20	58.25

* Roughly apportioned by Cowic Valley (Dartmoor 1929)

1904 The rainfall of the first two quarters probably exceeded
the capacity of the gauge
1906 Princeton Church

 + 1907 read from
Plymouth Logon. 2.23.

1907 Jan.-g. frozen, amount estimated

N.B. Annual values rejected from Survey Map. 1929.

+ Inspected 23. III. 03. Site flat - upper pt. of valley. Steep slope
down to N. (general 'saucer' all round). Good site

RAINFALL at Dartmoor Cowic Head

County of South Devon

Observer F W Lillicrap Esq C.E.

River Basin Dart 4

7 Howarth Esq C.E.

Rain Gauge, by

m

Diameter ...	8										
Height	10										
Altitude ...	1580T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	7.10	2.80	7.10	11.40	3.70	5.40	4.65	2.45	8.25	9.50	62.35
February ...	8.50	4.90	8.30	6.00	10.60	12.70	7.80	2.00	5.60	6.40	71.80
March	1.70	4.00	11.00	10.20	10.80	2.00	8.40	4.40	3.10	9.20	60.90
April	4.70	4.10	.50	12.10	3.15	3.00	2.90	2.60	2.80	3.90	39.75
May	4.20	2.00	2.95	5.40	3.60	4.00	2.55	4.20	2.10	2.00	33.10
June	1.90	4.20	9.30	2.40	2.30	3.00	4.00	4.60	2.80	1.60	36.20
July	6.20	1.10	4.50	.65	8.15	9.50	2.40	4.25	6.20	2.20	45.25
August	8.50	5.20	13.80	2.85	5.50	4.00	8.00	13.80	4.50	5.50	71.65
September ..	1.40	3.00	3.10	5.80	4.50	2.40	4.65	4.30	11.50	4.70	45.35
October ...	9.40	6.85	8.10	6.00	5.20	6.00	11.70	10.50	5.10	2.75	71.60
November ..	7.20	8.30	5.10	9.30	8.10	4.35	10.50	4.20	6.75	5.55	69.35
December ...	13.40	14.40	12.25	4.60	13.80	13.80	4.80	1.90	12.00	11.90	102.85
TOTALS ...	74.30	60.95	86.00	75.70	79.40	78.15	68.45	59.30	70.70	65.20	71.015

1916 Feb. and March adjusted by reference to nearby stations.

+ Impacted

N.B. annual values rejected from Survey Sept. 1929

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

RAINFALL at Dartmoor (Cowrie Head) No. 4.

County of South Devon.

Observer F. Woodward Eng. C.E.

River Basin

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Penworth (W.D.).

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Rain Gauge, by Correia

~~Mr. H.~~

Diameter ...	8										
Height	1.0										
Altitude ...	1520										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEDIAN.
January ...	10.60	7.90	7.00	4.60	8.30	8.50	9.30	8.70	10.30	4.00	11.00
February ...	1.95	.60	6.90	13.00	2.70	7.80	5.30	6.30	5.20	1.90	2.60
March	7.15	6.00	5.60	3.03	3.00	2.70	1.60	7.50	8.70	1.30	4.00
April	7.90	1.40	5.90	7.40	6.20	4.70	3.70	3.70	3.80	1.35	5.00
May	3.90	3.90	2.20	3.90	6.40	7.50	3.50	2.00	2.00	6.40	2.90
June	3.15	.25	2.10	1.15	4.55	.00	4.40	4.80	4.85	3.50	2.30
July	8.70	3.40	7.50	2.75	6.50	6.55	3.50	8.80	4.20	3.40	5.00
August	2.95	4.20	5.70	5.45	8.50	6.40	4.00	6.80	3.70	6.15	7.90
September...	4.35	2.00	4.55	5.70	8.10	6.05	2.80	9.00	2.30	1.40	8.80
October....	7.40	2.00	2.75	11.20	9.90	10.60	3.90	5.80	9.00	10.20	9.70
November...	4.10	5.40	4.00	4.90	6.00	4.20	12.10	6.80	9.10	14.00	9.80
December...	8.00	3.85	9.70	7.20	9.90	7.50	1.55	7.50	6.90	12.80	6.40
TOTALS...	70.15	40.80	63.90	70.28	80.05	72.50	55.65	74.70	70.15	66.40	75.40
						M	M		M		M

1922. Including Dec 31st 1921.

Site: In spt iron rail enclosure 10ft Square. ground rises S. W. & SE.
Falls on N to valley 50ft below 200 yds away, rises again other side
Good site (M.R. Salter 1928)

N.B. annual values rejected from Survey Dept. 1929

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	Parish Church.	Distance from gauge
			<i>Priceboon.</i>				

RAINFALL at Dartmoor (Cowstic Head) No. 4.

County of South Devonshire

Observer F. Howarth, Esq., C.E.*

River Basin Dart - 4

Type of Gauge

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

Ref.

66060 8/26.

Diameter	8.										
Height	1.0.										
Altitude	1580.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.50										
February	4.90										
March	2.10										
April	5.30										
May	4.00										
June	6.10										
July	7.65										
August	7.60										
September	4.40										
October	1.70										
November	13.80										
December	4.00										
TOTALS	68.05 #										

* Gauge over exposed on moor (B.R.)

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

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

Dartmoor
RAINFALL at (Cawic Head) newg. date 1938

County of S. Devon Observer H. Hawesley, Esq.

River Basin H - Dart A. Atkinson Esq. C.E.

Type of Gauge M.O.

Annual Average in. based on years obs. un-weighted. Period of average Ref.
660608/36.

Diameter											
Height											
Altitude											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	10.00	14.55	6.10	8.95	4.05	11.00	14.55	13.85	12.35	14.30	
February	8.10	.00	7.05	4.45	10.15	6.10	15.50	3.60	5.25	7.10	
March	2.40	4.90	7.30	4.95	1.85	6.25	8.10	1.35	3.40	6.00	
April	6.10	6.45	4.05	6.20	9.60	3.85	6.40	3.35	5.35	5.09	
May	4.50	7.15	3.05	3.30	4.10	.95	2.10	5.30	1.40	2.25	
June	7.00	5.25	3.10	3.40	8.50	4.75	2.60	3.55	6.10	1.20	
July	8.75	6.45	5.75	1.60	1.75	15.60	5.45	6.45	14.20	6.03	
August	8.90	2.90	4.70	7.75	4.80	1.65	1.60	9.60	5.60	.75	
September	4.90	10.25	2.60	7.05	9.55	5.30	5.05	3.80	1.10	3.88	
October	2.05	16.05	8.75	9.05	11.45	4.95	5.20	11.65	6.50	7.25	
November	16.50	6.20	2.35	3.45	11.60	7.70	2.95	14.05	18.50	13.46	
December	6.10	6.55	2.75	23.25	8.30	12.65	6.65	9.22	7.05	7.70	
TOTALS	85.30	86.70	37.55	79.40	85.60	80.75	80.15	82.77	86.80	65.01	79.003

1933 * gain. rain from 30 days.

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

Station No. T.E. 1744.1

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RAINFALL at Dartmoor (Carrick Head)

County of S. Devon

Observer A. Atherton Esq C.E.

River Basin Dart - 4

N.G. Elliott Esq C.E. (1945)

Type of Gauge M.O.

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

File No. 660608/26

Diameter	5"				363	415				
Height	10'									
Altitude	1465'									
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	6.50	10.90	12.49	9.39	6.35	10.99	(8.20)	15.30	4.75	
February	8.05	1.03	5.15	3.10	8.31	7.70	(2.50)	3.64	3.95	
March	6.80	7.05	2.26	4.48	4.17	4.03	15.40	4.67	#	
April	2.15	3.75	2.37	4.30	2.46	3.44	6.50	4.34		
May	4.85	10.40	8.41	1.37	5.77	5.93	4.20	5.80		
June	3.60	1.05	3.78	6.75	7.84	7.71	5.47	6.10		
July	3.12	6.10	6.00	6.85	(5.40)	3.80	4.95	4.50		
August	9.25	7.10	(8.35)	5.25	3.91	8.23	.90	6.69		
September	6.6	6.70	6.55	5.92	5.68	12.75	4.05	6.64		
October	4.57	6.66	7.14	10.54	8.38	3.35	2.86	7.78		
November	5.13	1.52	5.57	16.48	1.24	17.55	7.76	4.49		
December	7.10	15.08	5.74	7.54	10.45	8.70	6.80	12.75		
TOTALS	617.8	77.34	73.90	77.97	69.96	94.18	69.57	82.20		
	M	M	M	M	M	M	M	M		

1941 Jan first cold. 1942 1st 1943 Aug. 1st 1945 July 1st 1949 Abandoned as

old. leaving. old by wh. now part of fence. was s. last return Feb 1949.

1910 - 19 1920 - 30 1931 - 40 1941 - 50

✓ ✓ ✓ 41 - 48
— — — —Position of Station on reduced Ordnance Survey Map, No. of Map.....
1 mile to 1 inch Series

Reference No. 18-5378

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