

1911
20RAINFALL at Penzance, Gulval (County Council Plot.)County of CornwallObserver A. E. Cunningham Esq.River Basin Fowey & S.E. CoastCounty Experimental StationN.O. Rain Gauge, byCornwall County Council.

Diameter ...					5"						
Height					1.0						
Altitude ...					21					20	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...					6.07	11.06	7.43	6.99	8.62	3.33	8.37
February ...					2.37	6.49	3.43	2.87	4.34	3.27	3.44
March					2.07	1.07	1.25	4.11	5.65	.52	3.69
April					4.34	3.46	2.92	3.38	2.66	1.35	2.49
May					3.27	3.38	2.33	.82	1.15	4.29	1.90
June					1.73	.00	2.71	3.26	1.96	3.03	1.44
July						3.11	1.57	2.38	1.48	1.83	2.63
August						3.74	2.23	3.26	2.02	2.97	5.17
September...						4.15	2.98	.85	5.86	1.82	4.6
October....						9.81	4.38	3.53	2.80	7.34	7.42
November...						3.94	4.65	7.36	3.97	4.27	12.64
December...						7.35	6.40	1.22	4.52	5.79	8.94
TOTALS...						imp	43.72	36.83	44.22	49.10	50.05
						D	D	D	D	D	D

1924. Gauge moved. 19.XI.24. 2 ft. W.

Hedge 12 ft. high 18 mi. E.
 8 .. 18 ..
 " .. 32 ..
 " 12 .. 14 ..

1927 Hedge 12 ft high 20° N. 80° S. 50° E. 50° W.

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
1924	7° 22'		Penzance	1 mi	S.W.	Gulval	150	300 yds N.W.

RAINFALL at Gulval (Experimental Station)
~~(Council Plot)~~ M.W.R.

County of Cornwall..... Observer Cornwall County Council.

River Basin Forey & S.E. Coast Streams - 2.

Type of Gauge.....

Annual Average 41.6 in. based on 5 years obs. un-weighted. Period of average 1921-1935 Ref. S

Diameter	5'											
Height	1.0											
Altitude	21											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.36	4.73	3.27	4.35	1.74	6.67	3.74	5.41	8.01	2.85	48.13	
February	3.74	0.01	3.66	2.20	4.90	7.24	7.25	2.15	2.04	4.86	36.05	
March	5.21	2.81	4.31	4.59	1.10	4.56	6.16	4.8	2.05	3.43	34.70	
April	1.69	3.17	3.36	3.93	4.37	2.80	2.95	0.03	3.71	4.93	30.94	
May	3.19	5.33	2.64	1.56	1.58	1.07	1.76	2.27	.86	4.40	20.86	
June	3.48	3.11	1.90	1.65	3.17	1.46	1.13	1.84	2.20	1.21	21.15	
July	4.78	2.91	1.93	3.39	3.2	7.68	1.53	3.31	4.93	2.47	30.15	
August	3.21	1.17	1.33	2.98	2.16	1.57	1.63	5.05	1.92	.07	19.09	
September	2.95	4.74	2.75	3.75	3.89	3.70	3.57	2.95	.64	2.26	31.20	
October	1.22	8.56	6.29	3.18	5.07	1.65	3.28	4.76	3.09	3.31	40.41	
November	8.30	2.87	1.81	3.31	7.00	5.00	3.44	8.20	7.69	8.54	56.19	
December	2.56	3.33	2.64	1.01	5.27	3.95	6.26	4.05	3.21	4.43	46.61	
TOTALS	45.69	42.74	35.79	40.90	40.57	46.28	43.70	40.70	3.5	38.76	415.48	D

Inspected 11/6/34. Rain of gauge only 10" above ground, tube altered.

Inspected 7/6/37. Gauge had a hole $\frac{1}{4}$ " in diameter in the side.

13/8/37 Observer stated that gauge has now been repaired.

1936 long black pointed hedge 12' high 21' N. Sunshine pillar 3' sq. 11' 6" high 16' W.

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. 1911

RAINFALL at Gulval (Experimental Station) M.W.R. 41

County of Cornwall

Observer Cornwall County Council

River Basin Fowey & St. Coast Streams-2

CORNWALL A.E.C.

Type of Gauge

Annual Average in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"						381	117		
Height	1" 0"									
Altitude	+ 26					† 54'			20	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	4.61	6.31	6.48	4.30	4.69	5.84	4.30	7.92	1.38	1.84 47.67
February	5.80	3.34	2.22	1.41	3.49	3.14	(2.41)	1.34	.90	6.51 27.56
March	4.71	3.28	1.63	1.41	.99	2.23	8.54	1.78	1.92	2.21 26.70
April	1.47	1.96	1.63	2.07	1.13	1.46	8.47	2.51	1.78	2.29 18.77
May	2.78	5.56	3.37	.90	3.65	3.80	2.89	3.01	2.30	2.21 29.87
June	.99	.59	1.15	2.63	4.49	2.42	3.03	2.15	.68	1.21 19.34
July	.78	2.11	3.48	2.22	4.32	2.28	1.65	1.80	1.38	3.52 23.54
August	5.60	2.61	2.61	2.60	1.94	4.64	.82	3.25	1.50	5.91 31.58
September	1.03	3.25	4.37	2.21	1.93	4.46	1.18	1.64	1.89	5.21 27.07
October	1.45	3.13	2.95	4.40	3.59	3.40	1.53	5.58	7.22	1.92 35.17
November	3.74	.81	3.56	8.74	2.74	6.30	2.83	1.77	4.54	6.82 41.85
December	3.03	4.44	2.97	3.44	5.37	5.33	2.36	5.95	3.40	5.29 41.58
TOTALS	35.99	34.89	35.42	35.33	38.33	45.30	33.41	38.70	28.89	144.94 370.70

Imp. Dalesforth 9.47. Gauge definitely overcupped & less likely to be 5-10% high to west will have wire netting & high mounted to act as wind break. Gauge to north of hill is satisfactory. Grass plot 1ft above path to be lowered to 6in, earth bank & protected by hurdles to south.

1950. Little time taken into use & broken measure to be replaced. Acc. Sett not 20 ft gauge -
1950. Impaired by flora. Recommended gauge moved 5 feet to NW to improve exposure.
1950. Recommendation carried out in Dec.

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.

1954 BR

RAINFALL at Gulval (Experimental Station) (MUR) Station No. 1911 T 51

County of Cornwall Observer Cornwall A.F.C.

River Basin Forney & S.E. Coast Streams - 2 Sutton Sons

Type of Gauge 6A, un-inspected

Annual Average 41.5 in. based on 5 years obs. un-weighted. Period of average 1916-50 Ref. S
 " " 39.63 " 32 " within 1925-49 " " " " File No. S

Diameter	5"				381	117			5"		
Height	1" 0"								1" 1"		
Altitude	50'								50'		
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	4.88	4.97	1.20	3.46	5.90	5.99	3.20	6.22	7.08	4.52	47.42
February	4.35	1.53	1.88	5.79	6.46	.91	5.27	5.84	.32	4.08	35.42
March	4.30	3.10	.94	4.20	1.58	1.33	4.10	4.55	3.80	3.30	31.20
April	2.25	3.21	2.59	.98	1.44	.63	.96	1.64	3.23	2.44	19.37
May	2.64	1.72	2.67	3.92	4.19	1.54	2.98	3.02	1.37	1.36	25.41
June	1.44	1.21	1.61	3.57	3.99	2.68	1.89	3.43	.88	1.27	20.97
July	1.07	1.12	3.98	4.01	.19	4.47	3.15	3.08	1.84	4.78	27.69
August	4.35	3.29	2.35	1.96	.61	3.95	3.50	5.44	1.28	4.04	31.27
September	4.26	4.21	3.97	4.81	1.83	6.64	4.06	5.37	.11	5.12	40.38
October	2.01	3.98	2.74	2.84	6.38	2.23	3.24	3.14	6.11	7.95	38.62
November	6.16	5.73	2.37	7.58	4.20	2.57	2.84	2.92	8.21	7.26	47.84
December	3.99	4.02	1.41	4.47	7.48	6.05	4.39	6.64	9.63	7.07	55.15
TOTALS	40.70	38.09	27.71	47.59	40.24	38.99	39.58	51.74	42.86	53.19	420.74

Repaired Oct 1952 small leak in funnel & outer cylinder. Repaired by May 1953.

Imp. 1954-55 Hogg. 9. Some white out of West. Nearly right bridge of 10° to N. To be set to 7°6' 1955 October. Corrected - by agreement.

1956. Rainfall values received.

Imp. by Mr Hogg 18.7.56. No change - because of gauge to be soldered.

1960 Imp by Mr Hogg 4/5/60 no change top broken off rain measure.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SW(10)486317

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
		C imp. 1924	✓	✓	✓	✓