

RAINFALL at Penzance, Gulval (County Council Plot)County of CornwallObserver A. E. Humphreys Esq.River Basin Lacey & S.E. CoastCounty Experimental StaNo. 0 Rain Gauge, by Cornwall County Council

Diameter ...					5						
Height .....					1.0						
Altitude ...					21				20		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...					6.07	4.06	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	.46	5.43
October.....					9.81	4.38	3.53	2.80	7.34	7.42	5.58
November...					3.94	4.65	7.36	3.97	4.27	12.64	6.53
December...					7.35	6.40	1.22	4.52	5.79	8.94	4.19
TOTALS...					imp D	43.77 D	36.33 D	44.22 D	47.10 D	50.05 D	50.86 D

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

Hedge 12 ft. high 18 ft. E.  
 " 9 " " 18 " W.  
 " 9 " " 32 " S.  
 " 12 " " 14 " N.

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

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1924	7.22		Penzance	1 mi	S.W.	Gulval	150 300 yds	N.W.

RAINFALL at Gulval <sup>(Experimental Station)</sup> ~~(to Council Plot)~~ MWRCounty of Cornwall Observer Cornwall County CouncilRiver Basin Fowey & SE coast Streams - 2.

Type of Gauge

Annual Average 41.5 in. based on 5 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref S

Diameter	5.											
Height	1.0.											
Altitude	21.				26							
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	45.13	
February	3.74	.01	3.66	.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	.48	2.05	3.43	34.70	
April	1.69	3.17	3.36	3.93	4.37	2.50	2.95	.03	3.71	4.93	30.94	
May	3.19	5.33	2.64	1.56	1.58	1.07	1.76	2.47	.86	.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	.39	.32	7.58	1.53	3.31	4.93	2.47	30.15	
August	3.21	1.17	1.33	2.98	2.16	.57	.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	5.03	3.44	8.20	7.69	8.54	56.19	
December	2.56	3.33	2.54	11.01	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	40.35	38.76	415.48	
	D	2	0	2	2	2	2	2	0	2		

Inspected 11/6/34. Rain of gauge only 10" above ground, later altered.  
 Inspected 7/6/37 gauge had a hole  $\frac{1}{2}$ " in diameter in the side.  
 13/8/37 Observer states that gauge has now been repaired.  
 1936 long shrub privet hedge 12' high 21' H: Sunshine piton 3' dia. 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 Gulrah (Experimental Station) M.W.R. 41County of Cornwall Observer Cornwall County CouncilRiver Basin Fairy & St. Aust. Streams - 2 CORNWALL A.F.C.

Type of Gauge .....

Annual Average 41.5 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. ....

Diameter	5"						381	117				
Height	1' 0"											
Altitude	<sup>+</sup> 20'					<sup>+</sup> 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	3.4	2.22	1.41	3.49	3.14	(2.41)	1.34	.90	6.51	27.56	
March	4.71	3.28	.63	.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	3.35	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	34.39	35.42	35.33	38.33	45.30	33.41	38.70	28.89	44.94	370.70	

exp. 94.7. gauge definitely overexposed & low likely to be 5-10%. Hedges to west will have wire netting 8 ft high mounted to act as wind break. Hedges to north 9 ft high is satisfactory. Grass plot 1 ft above path to be lowered to 6 in., cultivated & protected by hurdles to south.

Before the rain into use & broken measure to be replaced. ADV. 54 ft not 20 ft as given - better 42 ft. ADV. always has been 54 ft. All alterations being carried out to hedge to N & S to 5 ft.

1950. Reported Mr. Flynn, recommended gauge moved 6 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.



RAINFALL at Gulval (Experimental Station) Station No. 1911 T (MWR) **51**  
 County of Cornwall Observer Cornwall A.F.C.  
 River Basin Tavy & SE coast Streams - 2 Sutton Ross  
 Type of Gauge BA on inspection

Annual Average 41.5 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref S  
39.63 " " 32 " " with 1925-29 1916-20 S  
 File No. ....

Diameter ...	5"					38 1	117			5"	
Height ...	1' 0"									1' 1"	
Altitude ...	20'									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 ...	.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	2.20	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	5.179	42.86	53.19	420.74 ✓
	D	D	D	D	D	D	D	D	D	D	

Inspected Oct 1952. Small leak in funnel & water cylinder. Repaired by May 1953.

Imp. 4.54.11 Hogg. 9.30 am white out of use. Nearest signal bridge at 1.8' to H. T. be cut to 7' 6".

1955. October. Commenced - by Hogg.

1956. Rainfall values received.

Imp. by Mr Hogg 15.7.58. No change - seems of gauge to be soldered.

30.0 Imp by Mr Hogg 15/7/58. 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 Direction from gauge	Parish Church.	Distance Direction 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	✓	✓	
		✓	✓	✓	