

RAINFALL AT *Plymouth Drakes Reservoir*

Lat..... Lon..... County of *Devon*

Rain Gauge, by..... Observer *G. D. Bellamy Esq.*

Tamar & C - 2

Diameter .....	.5										
Height .....	.6										
Altitude	140.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.65	4.34	7.81	7.46	5.81						
February	3.86	2.90	7.20	2.96	3.40						
March	2.67	2.00	2.73	5.37	1.81						
April	-.16	6.09	2.36	.55	2.30						
May	1.71	-.14	1.32	2.08	.69						
June .....	.34	2.13	3.53	1.94	1.57						
July	1.80	6.49	2.82	3.40	2.15						
August .....	.50	2.42	1.59	4.24	2.74						
September.....	1.74	5.85	3.49	2.12	7.42						
October.....	4.06	2.85	6.69	2.63	7.37						
November.....	2.13	1.59	5.94	3.48	4.42						
December.....	3.08	4.19	7.68	1.20	5.47						
TOTALS	24.70	40.99	53.16	37.43	45.15						

1870 In centre of the Reservoir enclosure, clear for 100 ft
all round

1875 no reply

70

RAINFALL AT Plymouth Drakes Reservoir

Lat..... Lon..... County of *Devon*.....

..... Rain Gauge, by..... Observer.....

Tamar & C -- 2 2nd Gauge

Diameter.....											
Height.....											
Altitude.....											
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			<i>7.43</i>								
February.....			<i>3.08</i>								
March.....			<i>5.66</i>								
April.....			<i>.59</i>								
May.....			<i>1.92</i>								
June.....			<i>1.89</i>								
July.....			<i>3.52</i>								
August.....			<i>4.17</i>								
September.....			<i>2.36</i>								
October.....			<i>1.41</i>								
November.....			<i>3.15</i>								
December.....			<i>1.32</i>								
TOTALS.....			<i>36.50</i>								

1875 no reply

RAINFALL AT Plymouth Drake's Reservoir

Lat. _____

Lon. _____

County of Devon

Rain Gauge, by _____

Observer E. Sandeman Esq. C.E.

Tamar & O - 2

Diameter			5								
Height			10								
Altitude			149M								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			2.18	3.07	3.82	5.71	1.34	3.06	1.26	6.29	
February			3.22	4.88	2.63	.06	.80	3.91	1.37	4.66	
March			1.37	.13	2.05	2.89	4.03	5.03	1.58	.88	
April			1.40	.62	3.03	2.20	.27	5.02	1.89	3.41	
May			1.26	1.65	2.60	1.16	.02	1.73	3.23	2.39	
June			1.44	.87	2.54	2.11	1.71	1.93	2.35	1.61	
July			1.43	5.57	4.12	4.09	1.55	.99	.26	1.40	
August			4.92	2.09	2.96	3.47	1.85	5.03	2.94	1.19	
September....			2.39	2.62	2.44	.41	4.94	2.71	1.24	1.92	
October			4.22	3.28	4.76	3.94	3.05	1.13	5.30	3.24	
November....			2.75	1.76	7.97	6.61	1.26	1.78	3.59	3.07	
December			1.99	4.53	3.55	6.21	8.65	7.00	4.73	3.99	
TOTALS	36.99		28.57	31.07	42.47	38.86	29.47	39.32	29.74	34.05	

1892 $\frac{1}{2}$ Matthias $\frac{1}{4}$ mile N

1896-1890 Recd. (P.T.) 11.23 and 11.23

RAINFALL AT Plymouth Drake's Reservoir

1636

Lat.

Lon.

County of S. Devon

Mountain

Rain Gauge, by N & Z

Observer F. Howarth Esq. Cl.

Tamar and Co. - 2

Diameter ..	5										
Height	10										
Altitude ..	149 π										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.67	2.74	1.82	5.16	5.82	2.27	7.07	1.47	1.97	2.02	3.601
February ..	5.94	1.33	1.74	2.28	6.78	1.17	5.21	2.33	3.01	.56	3.035
March	2.02	2.81	2.35	5.19	2.33	5.70	1.47	1.13	4.26	6.51	3.277
April	2.01	3.88	1.86	1.50	1.54	2.76	1.13	4.96	3.22	1.80	2.466
May	1.69	1.35	1.69	1.97	3.63	.86	3.94	3.40	2.07	.94	2.154
June	3.72	1.52	3.21	3.61	1.15	2.47	1.96	2.70	.49	3.12	2.395
July	1.14	3.94	1.86	4.01	5.92	.75	1.70	1.58	2.00	3.54	2.642
August	2.79	2.16	2.01	3.92	3.53	4.44	2.47	2.27	5.06	1.77	3.042
September ..	1.59	4.06	2.13	4.46	3.36	1.62	.98	2.05	3.09	.81	2.415
October	2.29	2.32	2.88	8.26	2.44	1.68	4.26	6.12	1.92	7.08	3.925
November ..	4.41	.61	5.82	1.98	1.99	6.05	3.33	4.17	1.20	1.20	3.076
December ..	6.45	7.12	3.51	5.74	4.25	1.71	3.38	5.12	5.13	6.74	4.915
TOTALS ..	39.72	33.84	30.88	48.08	42.74	31.48	36.90	37.28	33.42	35.09	36.943

1907 Clark Church
Korth R. Station

✓
W28

RAINFALL at Plymouth Drakes ReservoirCounty of South DevonObserver F. Howarth Esq. C.E.River Basin Tamar + C 2

Rain Gauge, by _____

Diameter ...	5											
Height	10											
Altitude ...	149 ft											
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Total
January ...	4.19	1.52	4.02	7.91	1.41	4.29	2.02	1.86	4.33	6.23	37.78	16.17
February ...	5.64	3.02	4.50	1.42	5.78	7.24	6.03	1.65	2.76	6.35	44.39	14.44
March .....	.77	3.48	5.96	4.42	7.12	1.19	3.13	3.94	2.26	5.56	37.83	14.79
April	2.17	2.16	.20	4.36	2.14	1.30	1.00	1.31	1.67	3.06	19.37	7.24
May	3.23	1.27	1.55	3.29	1.80	2.78	1.57	2.85	.81	1.70	20.88	6.96
June	1.87	1.92	5.14	.85	1.25	1.95	2.44	2.88	1.23	1.01	20.54	7.56
July	4.14	1.37	2.20	.33	5.75	4.09	1.09	2.32	3.26	1.10	25.75	7.77
August	5.53	2.41	8.81	1.27	2.38	1.58	4.28	4.02	2.15	3.46	36.29	14.21
September ...	.35	2.32	1.97	2.44	2.80	1.06	1.65	2.59	8.32	2.07	25.57	14.63
October ...	5.68	3.66	4.65	3.74	2.86	5.86	7.30	5.46	3.00	1.75	43.96	17.51
November ..	5.36	5.05	2.59	4.77	4.20	3.54	6.88	1.68	3.36	3.65	41.08	15.57
December ...	7.53	9.47	6.37	2.89	10.25	10.74	4.80	1.64	6.61	7.03	67.33	20.00
TOTALS ...	46.46	37.65	48.06	37.79	47.74	45.62	42.19	32.53	39.76	42.97	42.077	157.46
	D	D	D	D	D	D	D	D	D	D	D	D

Inspected 8th June 10. 19. in not quite circular. On E. of small reservoir
 hill wall on N and NW. Propts road on E but houses give shelter. Ground
 drops rapidly on S and little protection from S. + SW - probably catches too little
 on that account. Two fountains in middle of reservoir throw spray which would
 reach S. if wind strong from SW to NW. S. in good condition.

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

RAINFALL at Plymouth (Dart's Reservoir)County of South DevonshireObserver F. Heath Esq. C.E.River Basin Tamar & C. - 2A. Atkinson Esq. C.E.

Type of Gauge.....

Annual Average 37.5 in. based on 36 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. Summary
660608/26.

Diameter	5.											
Height	1.0.											
Altitude	149.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	3.45	4.72	2.33	3.51	.77	6.50	4.59	5.05	5.50	2.49	37.91	
February	3.57	.03	3.70	.13	3.29	4.26	7.67	1.21	1.88	4.84	30.58	
March	2.05	2.08	3.75	3.96	.92	3.28	4.86	.29	.85	3.52	25.56	
April	2.91	3.31	2.76	2.95	4.20	1.41	3.12	.14	2.24	2.54	25.58	
May	4.17	4.50	1.79	2.13	1.16	.51	2.88	2.82	1.02	1.69	22.67	
June	4.29	3.36	1.96	1.42	3.03	.95	1.39	1.12	3.11	.76	21.39	
July	4.91	2.35	2.24	.31	.35	4.83	2.00	3.37	5.12	2.49	27.97	
August	3.88	1.79	1.28	3.69	2.62	.36	.87	4.55	3.44	.07	22.55	
September	1.50	5.25	1.60	2.83	3.18	2.91	2.24	1.70	.52	2.16	23.89	
October .....	.84	7.85	3.39	2.49	4.46	.88	3.58	3.99	5.24	3.13	35.85	
November	7.22	3.11	1.57	1.14	6.37	2.66	2.57	6.93	6.40	7.59	45.66	
December	2.20	3.51	2.37	10.33	5.08	3.55	4.32	3.45	2.35	5.10	42.36	
TOTALS	41.09	41.86	28.7	34.89	35.43	31.10	40.09	34.62	37.67	30.38	361.87	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

362.14

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

RAINFALL at Plymouth (Drake's Reservoir)Station No. T.F. 1626

41

County of South Devonshire

Observer

A. Atkinson Esq. C.E.River Basin Tamar & C. 2N.G. Elliott Esq. (1945)

Type of Gauge

Annual Average 37.5 in. based on 36 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 660608/26

Diameter	5"				3.9	124						
Height	1' 0"											
Altitude	148'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	4.96	5.01	6.12	3.58	3.02	3.91	4.31	4.57	1.09	1.40		Totals 40.97
February	5.18	.25	1.37	1.01	3.95	3.39	2.60	1.84	1.70	6.69		28.08
March	2.73	4.11	1.14	.21	1.48	2.84	7.96	1.77	1.44	2.21		26.47
April	.66	1.36	.99	2.65	1.03	2.24	2.67	1.96	1.89	2.11		17.56
May	2.20	4.24	3.78	.48	3.46	4.86	2.52	1.98	3.15	1.81		28.48
June	3.27	.17	1.51	2.95	4.72	3.21	3.78	1.79	.53	.71		22.64
July	.85	1.19	2.78	4.82	(2.50)	1.71	2.31	1.53	2.82	4.55		25.06
August	5.42	2.64	2.98	3.14	(2.50)	4.23	1.03	3.49	1.27	5.01		31.71
September	.45	3.40	3.76	1.95	(1.80)	5.53	2.32	1.76	3.69	6.16		30.82
October	1.70	3.16	4.28	4.74	4.62	2.78	1.57	4.97	7.83	1.89		37.54
November	1.82	.84	2.52	8.29	.91	6.54	2.83	2.44	5.36	6.97		38.52
December	3.25	5.00	3.76	3.49	6.32	5.05	3.29	5.85	1.90	4.53		42.44
TOTALS	32.49	31.37	34.99	37.31	(36.31)	46.29	37.19	37.05	32.67	44.64		370.31

1945 July, Aug. & Sept. obs'd by engineer. Gauge destroyed Nov. 20. 45

00704

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.

BRITISH RAINFALL ORGANIZATION

Station No. 1636

TF 9.

RAINFALL at Plymouth (Drake's Reservoir)

51

County of S. DevonObserver N.C. Elliot Esq. C.E.River Basin Tamar 1 C-2Type of Gauge H.O.Annual Average 37.5 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. S" " 38.54 " " 12 " " 1946-57File No. 660608/26 S

Diameter ...	5'				369	124						
Height ...	1' 0"								10'			
Altitude ...	149'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.69	3.94	1.10	1.64	5.65	4.61	3.45	4.93	4.95	5.10	4.06	
February ...	4.05	.71	1.83	4.75	3.62	.36	5.82	4.16	.21	4.18	29.60	
March ...	4.64	4.45	.63	3.59	1.55	1.63	4.65	2.00	4.93	2.62	30.69	
April ...	2.15	3.55	2.80	.39	1.64	1.04	.17	.78	3.61	2.74	18.57	
May ...	2.85	2.21	3.80	2.82	3.35	.99	1.93	3.59	.83	2.33	24.70	
June ...	1.01	1.17	2.37	3.21	2.66	2.65	1.77	3.45	1.46	1.10	20.85	
July ...	1.10	.90	3.70	3.45	2.01	4.01	.40	3.07	1.49	4.18	24.31	
August ...	5.22	6.88	2.07	3.16	.35	3.53	3.36	5.45	3.17	4.39	37.58	
September ...	4.91	3.24	2.72	4.11	1.86	7.89	3.93	5.37	7.8	5.62	39.65	
October ...	1.17	5.40	3.81	4.21	2.64	1.95	2.91	3.38	4.68	7.84	37.99	
November ...	5.98	4.06	2.78	8.04	3.70	1.46	2.82	3.41	7.74	6.31	46.30	
December ...	3.80	3.68	.80	3.56	6.00	5.89	2.68	4.93	9.12	4.67	46.13	
TOTALS ...	41.57	40.19	28.41	42.93	34.94	36.01	37.49	44.52	42.19	51.08	395.73	
	D	D	D	D	D	D	D	D	D	D	D	

Prof. III 1959 1.85% One-whole www-ww. No better idea. Turf-mat would not help.
 Each is stem of funnel.

30/6/60 no action yet. possibly this year
 Sept. 1960 g. repaired.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SY48451

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

Summary of Earlier Records from 10-year Sheets :

1916-1959 T - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ Sheet - 13	✓	✓	✓ Sheet d 46	