

1640

RAINFALL AT

Plymouth Harley Reservoir

Lat. _____

Lon. _____

County of

S Devon

Rain Gauge, by _____

Observer

F Howarth Esq. C.E.

Tanner and Co. 2

| | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|-------------------|--------|
| Diameter ... | | | | | | | | | | 5 | |
| Height | | | | | | | | | | 1 0 | |
| Altitude ... | | | | | | | | | | 321 $\frac{1}{2}$ | |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January ... | | | | | | | | | | 2.06 | |
| February ... | | | | | | | | | | .49 | |
| March | | | | | | | | | | 5.84 | |
| April | | | | | | | | | | 2.18 | |
| May | | | | | | | | | | 1.00 | |
| June | | | | | | | | | | 3.31 | |
| July | | | | | | | | | | 4.08 | |
| August | | | | | | | | | | 1.98 | |
| September .. | | | | | | | | | | .95 | |
| October ... | | | | | | | | | | 7.80 | |
| November .. | | | | | | | | | | 1.24 | |
| December ... | | | | | | | | | | 6.79 | |
| TOTALS ... | | | | | | | | | | 37.72 | |

Additional gauge fixed Dec 1908. The Reservoir is within the Borough
of Plymouth

RAINFALL at Plymouth Hartley ReservoirCounty of South Devon Observer F Howarth Esq. Ch.River Basin Tamar + C 2

Rain Gauge, by _____

| | | | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Diameter ... | 5 | | | | | | | | | | | |
| Height | 10 | | | | | | | | | | | |
| Altitude ... | 321 ft | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. | Total |
| January ... | 4.50 | 1.62 | 4.37 | 8.67 | 1.53 | 4.28 | 2.34 | 2.21 | 4.40 | 6.42 | 40.34 | 164.65 |
| February ... | 5.71 | 3.02 | 5.16 | 1.49 | 6.15 | 7.54 | 6.07 | 1.88 | 2.81 | 6.31 | 46.14 | 17.07 |
| March | .80 | 3.85 | 6.16 | 4.55 | 7.51 | 1.21 | 2.97 | 3.89 | 2.48 | 5.64 | 39.06 | 14.91 |
| April | 2.71 | 2.21 | .25 | 4.72 | 2.14 | 1.44 | 1.14 | 1.22 | 1.36 | 2.68 | 19.87 | 6.40 |
| May | 2.55 | 1.28 | 1.70 | 4.07 | 1.92 | 3.02 | 1.76 | 2.78 | .88 | 1.79 | 21.75 | 7.21 |
| June | 1.66 | 2.69 | 5.43 | 1.11 | 1.38 | 2.14 | 2.47 | 2.66 | 1.43 | .94 | 21.91 | 7.50 |
| July | 4.45 | 1.64 | 2.58 | .34 | 6.59 | 4.47 | 1.47 | 2.10 | 3.63 | 1.13 | 28.40 | 2.33 |
| August | 5.93 | 2.90 | 10.16 | 1.23 | 2.54 | 1.96 | 4.77 | 5.24 | 2.53 | 3.56 | 40.82 | 16.10 |
| September .. | .36 | 2.59 | 1.91 | 2.34 | 3.11 | 1.57 | 1.76 | 2.66 | 8.51 | 2.51 | 27.32 | 15.44 |
| October ... | 6.47 | 3.93 | 5.06 | 4.25 | 3.21 | 6.05 | 7.92 | 5.45 | 3.16 | 2.12 | 47.62 | 18.65 |
| November ... | 5.50 | 5.15 | 2.76 | 5.49 | 4.63 | 3.39 | 7.08 | 1.92 | 3.82 | 3.73 | 43.47 | 16.55 |
| December ... | 8.40 | 10.70 | 6.54 | 2.91 | 10.70 | 10.59 | 4.74 | 1.52 | 7.06 | 7.73 | 60.89 | 21.05 |
| TOTALS ... | 49.04 | 41.58 | 52.08 | 41.17 | 51.41 | 47.66 | 44.49 | 33.53 | 42.07 | 44.56 | 447.59 | 164.65 |

Inspected J. Fairgrieve 10.19. Run exactly circular. Faces to S breaks winds from S, SE & SW. Low hedge round grounds gives good shelter, slight drop & open exposures N.W. Probably most reliable record in Plymouth. S. in good condition.

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Chureh. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|---------|-----------|------------|
| | | | | | | | | |

RAINFALL at Plymouth (Hartley Reservoir)County of South DevonshireObserver F. H. Smith Esq. C.E.River Basin Tamar & C. - 2A. Atkinson Esq. C.E.

Type of Gauge.....

Annual Average 39.9 in. based on 18 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. Survey.

| Diameter | 5. | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| Height | 1.0. | | | | | | | | | | | |
| Altitude | 321. | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Totals. | Means |
| January | 3.83 | 5.31 | 2.71 | 4.12 | 1.89 | 6.88 | 5.54 | 6.34 | 7.12 | 2.84 | 45.58 | |
| February | 3.97 | 1.03 | 4.18 | 1.14 | 4.15 | 4.79 | 8.67 | 1.43 | 2.71 | 5.48 | 35.55 | |
| March | 2.16 | 2.10 | 4.13 | 3.82 | 1.20 | 4.43 | 5.20 | 1.38 | 1.30 | 4.06 | 28.72 | |
| April | 3.11 | 3.71 | 3.22 | 3.06 | 6.28 | 1.84 | 3.85 | 1.15 | 2.95 | 2.90 | 31.27 | |
| May | 4.51 | 4.73 | 1.91 | 1.85 | 1.71 | 1.55 | 3.88 | 3.45 | 1.29 | 1.95 | 25.82 | |
| June | 4.85 | 3.80 | 2.32 | 1.82 | 4.39 | 1.31 | 1.52 | 1.35 | 3.86 | 1.72 | 26.14 | |
| July | 6.12 | 2.70 | 3.00 | 1.49 | 1.42 | 7.10 | 2.23 | 4.08 | 6.60 | 2.96 | 35.70 | |
| August | 3.90 | 1.78 | 1.73 | 4.56 | 2.13 | 1.58 | 1.08 | 4.70 | 3.82 | 1.09 | 25.37 | |
| September | 1.66 | 5.35 | 2.01 | 4.07 | 5.14 | 2.96 | 2.73 | 2.02 | 1.57 | 2.14 | 28.65 | |
| October | 1.26 | 8.11 | 3.95 | 3.40 | 6.53 | 1.39 | 3.72 | 5.54 | 5.25 | 3.61 | 42.76 | |
| November | 7.56 | 3.47 | 1.84 | 1.30 | 3.32 | 3.56 | 3.15 | 9.96 | 8.56 | 8.60 | 56.62 | |
| December | 2.40 | 3.95 | 2.94 | 14.61 | 6.07 | 4.41 | 4.69 | 4.36 | 3.22 | 5.46 | 52.11 | |
| TOTALS | 45.33 | 45.04 | 34.14 | 43.24 | 48.63 | 39.80 | 46.26 | 43.76 | 47.25 | 40.81 | 434.26 | 44.6 |
| | D | D | D | D | D | D | D | D | D | D | D | D |

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| | | | | | | | | |

Station No. T.F. 1640RAINFALL at Plymouth (Hartley Reservoir)

41

County of South Devonshire Observer A. Atkinson Esq. C.E.River Basin Tamar & C. 2N. G. Elliott Esq. C.E. (1913)

Type of Gauge.....

Annual Average 39.9 in. based on 18 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 66060826

| Diameter | 5" | | | | 369 | 051 | | | | | | |
|-----------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1'0" | | | | | | | | | | | |
| Altitude | 321' | | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | Total |
| January | 4.82 | 6.17 | 7.86 | 3.85 | 2.46 | 4.26 | 4.78 | 7.93 | 1.31 | 1.48 | | 44.92 |
| February | 6.08 | .23 | 1.85 | 1.08 | 3.99 | 3.48 | 1.80 | 1.96 | 1.88 | 6.85 | | 29.20 |
| March | 3.78 | 4.86 | 1.23 | 2.22 | 1.78 | 3.14 | 8.44 | 1.96 | 1.51 | 3.01 | | 29.93 |
| April | .79 | 1.86 | 1.15 | 2.85 | 1.03 | 2.43 | 2.98 | 2.05 | 2.11 | 2.20 | | 19.46 |
| May | 2.97 | 5.83 | 4.09 | 1.64 | 3.77 | 5.05 | 2.86 | 2.19 | 3.05 | 1.94 | | 32.39 |
| June | 3.93 | .27 | 1.63 | 3.31 | 4.95 | 4.25 | 4.08 | 2.25 | .75 | 1.02 | | 26.44 |
| July | .88 | 2.00 | 3.03 | 5.06 | 2.74 | 1.94 | 3.18 | 1.75 | 3.08 | 5.07 | | 28.73 |
| August | 6.00 | 3.91 | 3.32 | 3.61 | 2.72 | 4.98 | 1.13 | 3.86 | 1.39 | 5.64 | | 36.56 |
| September | .47 | 3.67 | 4.10 | 2.16 | 2.37 | 6.19 | 2.58 | 2.00 | 3.60 | 6.79 | | 33.93 |
| October | 1.94 | 3.68 | 4.65 | 4.97 | 4.96 | 3.43 | 1.76 | 4.98 | 8.33 | 2.06 | | 40.76 |
| November | 2.40 | 1.42 | 2.53 | 8.89 | .97 | 7.60 | 2.85 | 2.67 | 5.82 | 7.49 | | 42.64 |
| December | 3.75 | 6.29 | 3.87 | 3.66 | 7.01 | 5.42 | 3.42 | 6.17 | 2.13 | 4.50 | | 46.22 |
| TOTALS | 3781 | 4019 | 39.31 | 40.30 | 38.75 | 52.17 | 39.86 | 39.77 | 34.96 | 48.05 | | 411.17 |
| | D | D | D | D | D | D | D | D | D | D | | 98.76 |

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 (Hartley Reservoir) Station No. 1640 TF 951
 County of S. Devon Observer N. G. Elliot Esq. C.E.
 River Basin Tanar & E. 2
 Type of Gauge M.O.

Annual Average 39.9 in. based on 18 years obs. unweighted. Period of average 1881-1915 Ref S
4306 - 35 - 1916-1950 1916-1950 660608/26 P
 File No.

| | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
| Diameter ... | 5" | | | | 369 | 051 | | | | | | |
| Height ... | 1' 0" | | | | | | | | | | | |
| Altitude ... | 321' | | | | | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | S Means | |
| January ... | 5.02 | 3.86 | 1.25 | 1.95 | 6.04 | 4.80 | 3.87 | 5.49 | 5.73 | 5.33 | 43.34 | |
| February ... | 4.69 | .71 | 2.04 | 5.24 | 3.43 | .26 | 6.25 | 4.34 | .27 | 4.66 | 31.83 | |
| March ... | 4.74 | 4.74 | .70 | 4.08 | 1.71 | 1.68 | 5.27 | 2.07 | 5.89 | 2.78 | 33.66 | |
| April ... | 1.97 | 3.86 | 2.68 | .44 | 1.75 | 1.11 | .17 | .85 | 3.83 | 2.98 | 19.64 | |
| May ... | 3.14 | 2.34 | 4.42 | 3.05 | 3.45 | 1.06 | 2.08 | 3.74 | .79 | 2.27 | 26.34 | |
| June ... | 1.09 | 1.45 | 2.98 | 3.87 | 2.91 | 2.74 | 1.68 | 4.02 | 1.78 | 1.34 | 23.86 | |
| July ... | 1.18 | 1.15 | 4.20 | 3.75 | 1.89 | 4.27 | 4.01 | 3.53 | 1.40 | 5.21 | 30.59 | |
| August ... | 6.23 | 6.20 | 2.13 | 3.19 | .20 | 4.14 | 3.72 | 6.12 | 3.13 | 4.86 | 39.92 | |
| September ... | 5.42 | 3.02 | 3.56 | 5.11 | 2.17 | 7.24 | 4.19 | 6.15 | .04 | 6.35 | 43.25 | |
| October ... | 1.38 | 5.88 | 3.72 | 4.58 | 2.80 | 1.82 | 3.27 | 3.72 | 5.08 | 8.79 | 41.04 | |
| November ... | 6.58 | 3.87 | 3.26 | 8.82 | 4.29 | 1.61 | 3.03 | 3.49 | 8.64 | 7.32 | 50.91 | |
| December ... | 4.09 | 3.47 | .94 | 4.02 | 6.75 | 6.68 | 3.16 | 4.92 | 9.94 | 4.83 | 48.80 | |
| TOTALS ... | 45.53 | 40.55 | 31.88 | 48.10 | 37.39 | 37.41 | 40.70 | 48.44 | 46.52 | 56.72 | 433.24 | |
| | D | D | D | D | D | D | D | D | D | D | D | |

*Ink in 1959 J.B.K. Original was checked. That will rec.
 30/11/60 no action yet possibly this year*

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SK 481619

| 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 |
|----------------|---------|---------|---------|---------|---------|
| | ✓ | ✓ | ✓ | ✓ | ✓ |