

RAINFALL at Halsbury, Redwater Station?County of Devon S.Observer Rev. G. R. Hubbard M.A.River Basin Tamar & C-2

Col. Gerald Arden

Type of Gauge.....

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

Diameter											
Height											
Altitude											
Year	1900 1931	1901 1932	1902 1933	1903 1934	1904 1935	1905 1936	1906 1937	1907 1938	1908 1939	1909 1940	Means
January		4.28	3.13	5.53	6.71	2.42	8.13	2.04	2.88	3.08	
February		2.06	1.69	2.62	4.79	2.20	5.77	1.82	2.82	.76	
March		4.44	3.89	6.13	2.15	5.89	2.92	1.72	4.24	4.98	
April		3.91	2.01	2.40	1.85	3.18	1.85	5.09	2.47	3.26	
May		1.06	2.23	2.51	3.67	.41	3.75	3.32	1.76	1.68	
June		3.72	3.86	1.46	2.11	2.65	1.69	4.07	1.00	2.72	
July54	.70	2.48	4.48	5.82	.88	1.59	2.69	3.21	2.75	
August	3.50	2.22	3.44	5.13	2.78	5.55	3.36	3.70	3.99	1.88	
September	2.24	2.64	3.09	4.09	4.04	2.26	1.21	1.20	2.82	1.61	
October	3.76	1.26	3.28	11.60	2.78	2.86	6.51	8.20	1.37	8.11	
November	6.61	1.48	4.08	3.81	4.12	6.73	4.37	3.19	2.52	2.09	
December	6.78	7.33	4.16	4.92	3.66	2.00	5.51	6.07	4.56	6.23	
TOTALS		35.10	37.34	54.68	46.48	37.03	46.66	43.11	33.64	39.15	

Budgets 1900-1919 written by P. Needham. mostly for the air turbine.
 collected for Parish Magazine. P. Needham believes up to 1915 were for Col. Coburn. of the
 Reservoir.
 Lt. Col. N. of the Army

Revised 1941

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 Holaworthy, Ashwater Rectory

County of Devon, S.

Observer. Rev. J. D. Melhuish M. A.

River Basin Jamaica - 2

Rain Gauge, by.....

Ag. 44.97 1916-50

Diameter											
Height											
Altitude.....											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January.....	7.25	2.09	5.27	6.74	1.79	6.48	1.80	2.86	6.04	7.18	1788
February	7.91	3.03	3.73	2.02	5.40	9.00	8.30	1.31	3.50	2.92	1603
March	1.95	2.54	7.13	5.35	8.41	1.05	2.39	2.31	1.94	5.06	1170
April	2.97	2.50	.39	5.98	2.52	1.66	2.00	2.52	3.01	3.35	1088
May	3.18	1.59	2.42	2.59	1.69	2.62	2.07	1.93	1.12	1.27	639
June	2.64	4.34	7.85	2.44	1.88	1.66	2.04	4.80	2.05	1.07	996
July	3.37	.52	2.75	0.64	3.58	(4.87)	1.34	2.21	5.12	1.51	1018
August	5.55	2.20	10.78	2.06	3.29	3.28	3.59	6.41	3.79	2.84	1663
September.....	.26	3.03	1.29	2.00	3.13	2.23	3.19	2.52	8.95	2.19	1685
October.....	7.98	4.60	6.20	4.47	3.36	3.68	6.40	8.52	2.88	2.13	1993
November....	7.76	6.90	3.76	6.21	4.39	2.82	5.93	3.90	4.64	5.28	1975
December ...	7.06	11.61	7.14	4.50	9.38	9.40	5.33	1.75	7.14	9.19	2341
TOTALS ...	56.88	44.95	58.71	45.00	48.82	48.75	44.38	41.04	50.18	43.99	17959

(Totals only) 1916-19 and 1912-20. British XI. 22. see also 1920-2. British XI. 25
months, 1917-15, and British XI. 25. (from trans. of Devon Ann. for Adv. of Science)

Back years 1900 - 1916 + 1919 supplied by nephew of Rev. G. D. Hecchum for parish magazines
Up to 1915 believed to be record for Forda (4 mi. north) Dept. of Agr. Great Britain.

Reambee W. Russell 31. 3. 54

[illegible]

RAINFALL at Ashwater RectoryCounty of S. DevonshireObserver Rev. E. D. MelhuishRiver Basin Jamoe & C. - 2.Brit. Assoc. Rain Gauge, by

Diameter ...				5								
Height				10								
Altitude ...				500								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	7.68	5.13	4.98	3.97	5.29	4.17	6.64	8.12	7.22	2.21	6.52	6193
February ...	1.13	2.4	4.57	9.72	1.79	7.42	3.53	3.70	4.25	1.57	1.45	3937
March	4.83	3.43	4.38	1.89	2.79	1.64	77	5.96	4.78	.46	2.98	3391
April	5.24	1.00	4.90	3.41	4.13	4.00	232	2.94	2.21	1.26	2.60	3401
May	2.22	2.30	2.06	2.90	3.59	4.23	1.78	1.24	1.10	4.12	1.98	2752
June	2.65	.04	1.52	.75	2.40	.00	276	3.08	1.97	2.44	1.25	1886
July	5.46	1.24	3.87	2.44	5.10	5.90	2.33	4.58	3.31	2.67	2.82	3972
August	1.73	3.12	3.30	2.83	6.42	3.38	3.16	4.18	4.28	5.06	4.13	4159
September...	2.36	1.46	3.25	4.44	4.75	5.00	1.69	9.72	2.09	.94	4.59	4069
October	5.84	1.80	1.74	8.23	6.31	5.18	3.59	2.56	6.80	8.64	7.28	5797
November...	2.96	3.69	3.46	4.41	3.44	4.69	9.13	4.71	5.66	11.55	5.65	5935
December...	4.23	4.29	7.56	6.14	5.43	5.80	1.44	4.25	5.37	10.08	5.62	6021
TOTALS...	46.33	28.14	45.59	51.13	51.44	51.41	39.14	55.04	49.10	51.00	46.87	515.13

1923. Clipped Holly Tree 28' high 24' W. N. W.
Sable & chimney of house 28' " 30' " N. N. W.

1920-29. XH. 23 & XH. 25 (1916-1920)
from the 1920-29 record XH. 25 (X. 22)
(from Trans. Devon Assoc. for Adv. of Science)

1929 Wall 25' high 25' N
Tree 20' " 24' NNE
Chimney 27' " 30' NNW

20/384952

Position of Station on reduced Ordnance Survey } 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
1923	50° 44'	4° 17'	Ashwater	2 m	East	Ashwater	100 yds	S. S. W.

RAINFALL at Ashwater RectoryAshwater (Barn Park Bungalow) from 1905County of South DevonshireObserver Rev. G. D. Melhuish 1934River Basin Tamar P.C. - 2.Miss JamiesonType of Gauge M.O.~~36~~ 426 21Annual Average 42.5 in. based on 21 years obs. un-weighted. Period of average 1881/1915 Ref. Sumner(Rev. 10/9/37) (Average reworked 4/6/38)926449/29.

Diameter	5.										
Height	1.0.										
Altitude	500.				550'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.19	4.58	3.04	4.06	1.51	4.76	7.37	7.03	7.46	2.70	4770
February	4.24	.07	2.94	.24	4.65	2.85	6.68	1.68	2.46	3.33	3014
March	1.64	2.58	3.54	2.84	1.37	3.02	5.17	.69	1.84	2.82	2551
April	2.81	3.14	1.70	3.60	5.41	2.73	3.30	.19	2.93	3.48	2929
May	4.45	3.90	2.14	2.20	1.69	.60	2.56	2.90	1.23	2.00	2367
June	4.20	1.61	2.09	2.09	3.69	2.16	1.21	2.39	2.28	.95	2267
July	6.20	5.24	2.44	.66	1.31	7.66	2.65	4.13	7.92	5.49	4370
August	4.84	1.83	1.61	4.65	2.27	.60	4.66	7.49	3.09	.42	3146
September	2.65	6.23	1.75	3.40	5.64	4.11	3.53	2.26	1.02	2.53	3312
October	1.38	11.43	6.32	4.51	10.07	2.18	3.06	5.47	3.49	3.63	5154
November	8.51	3.52	1.48	2.37	6.11	5.09	1.95	7.09	9.16	8.50	5378
December	2.82	3.19	1.74	10.42	4.80	5.10	3.89	5.61	3.44	5.10	4561
TOTALS	48.43 47.37	47.37	31.79	41.04	48.52	40.86	46.03	46.93	46.32	40.95	43819
	D	D	D	D	D	D	D	D	D	D	

See 20' high 24' NNE: Chimney 27' high 30' NNW. N.B. The tree is left pruned.

1935 Grass plot level all round: Flower bed S: Bungalow 16' to ridge 38' S-W: Chimney 18' high 25' E.

N.B. 14' January 1935: Gauge taken over by Miss Jamieson of above address, on Rev. Melhuish's retirement from the parish.

1936 Taro 7' high, 30' N.E.

1940 Gauge surrounded by grass.

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
1935			Ashwater	½ ml	E	Ashwater	80 yds	S.E.

RAINFALL at Ashwater (Barnes) Station No. 465
REGD. 1947
 County of South Devonshire Observer Miss Jamison (Tues)
 River Basin Tamar & C - 2 Rev. R. J. D. NEWMAN
 Type of Gauge 7225 1949 GLAISHER

Annual Average 42.6 in. based on 21 years obs. un-weighted. Period of average 1881 - 1915 Ref. S
44.97 1916 - 50 File No. 926449/39

Diameter	5"				371	725					
Height	1'0"										
Altitude	550		500				480				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.04	5.78	7.27	3.67	3.65	4.26	4.26	9.09	2.10	1.77	4489
February	4.94	5.2	2.64	1.45	4.14	3.20	1.00	2.34	1.50	6.29	2802
March	5.79	2.71	1.13	4.3	1.63	1.45	6.46	2.2	2.19	1.85	2576
April	.91	2.45	1.33	2.15	1.41	2.25	2.82	3.24	2.71	3.37	2264
May	2.72	7.02	5.89	1.18	4.19	5.16	1.57	2.40	3.88	2.58	3659
June	2.04	.63	2.27	3.23	4.19	3.97	4.35	2.97	.22	2.24	2611
July	1.81	2.91	4.12	2.61	3.99	2.96	2.56	2.76	2.91	5.44	3207
August	5.04	3.99	3.94	4.08	1.94	5.13	.78	3.21	2.69	8.88	3168
September	.49	4.14	5.92	3.68	2.20	6.80	2.60	2.58	4.35	7.73	4649
October	2.81	3.21	4.39	6.27	4.58	2.45	2.78	6.06	10.55	2.13	4523
November	3.28	1.50	4.03	8.84	.67	5.12	4.80	2.59	7.25	9.80	4788
December	3.96	7.67	3.44	4.91	5.98	4.23	5.16	8.13	3.06	5.30	5184
TOTALS	36.83	42.53	46.37	42.50	38.57	46.98	39.14	42.49	43.41	57.38	44120

1941 Trees 12' high 12' N.E.

1944 House 12' W. Trees 30' high 12' N.E.

1945 grass, trees 17' high W.

1947 Wall 12' high 30' N, fence 3' high 25' S (Gauge moved 21" from 1947)

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map up to 21-5-47 20-387953
 after Reference No. 20-389954

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction from gauge	Parish Church	Distance from gauge	Direction from gauge
1941			Ashwater	4 miles	S.E.	Ashwater	80 yds	S.
1947			"	750 yds	SE E	"	1600 yds	SE W.

Station No. 1665RAINFALL at Ashwater Rectory

51

County of S. DevonObserver Rev. R. J. NewhouseRiver Basin Tamar & C-2Type of Gauge GlaisherAnnual Average 42.6 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. S44.97 " 35 " 1916-1950File No. 926449/9 P

Diameter ...	5"				371	725					
Height ...	1' 0"					1					
Altitude ...	480					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.92	5.18	1.43	3.17	4.50	9.61	Cold				
February ...	5.04	1.69	2.22	5.26	4.57						
March ...	5.67	3.96	1.37	3.65	1.47						
April ...	2.79	3.82	3.31	1.00	2.13						
May ...	3.85	3.95	3.28	3.61	4.38						
June ...	1.89	1.84	2.65	4.76	3.21						
July ...	2.18	1.54	4.44	5.38	1.28						
August ...	5.18	8.66	2.90	6.28	1.44						
September ...	3.25	4.57	4.81	2.54	2.88						
October ...	2.03	6.35	2.22	4.44	3.52						
November ...	7.67	4.71	3.57	8.96	3.62						
December ...	4.96	5.41	1.92	4.78	8.31						
TOTALS ...	48.43	51.68	35.12	53.83	40.21						
	D	D	D	D	D						

1951 Wall 10' high at 30' N., House 25' high at 50' N.W., shrubs 10' high at 70' E1956 Obs. transferred gauge to new obs. at another site (details not yet given) Feb 56, see file.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 20-389954

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1957			Ashwater	450	N.E.	Ashwater	400	N.W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1916	✓	✓	✓	✓
	A 16.19 - 17.18	✓	✓	✓	✓