

RAINFALL AT *Christow Torquay Water Works*

Hennick

Lat. Lon. County of *Devon*

Rain Gauge, by Observer *J. P. Weeks Esq. C.E.*

Toign -- **5**

Diameter								8	8		
Height								1	0	1	0
Altitude								842	842	7	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January							(5.50)	3.40	1.41	1.04	
February							(1.80)	.78	.69	2.13	
March							(5.00)	1.99	6.25	5.19	
April							(2.50)	.94	2.20	1.55	
May							(3.30)	1.10	2.38	2.82	
June							(1.50)	.40	3.34	.38	
July							(3.00)	1.57	7.35	4.39	
August							(2.30)	1.60	2.46	2.62	
September....							(2.00)	2.98	1.01	2.24	
October							(8.60)	3.74	1.71	5.05	
November....							(3.00)	6.39	12.43	2.19	
December							(6.50)	3.35	5.04	2.66	
TOTALS							(48.00) *	28.24	46.27	32.26	

1888 *Christow Church* 2 miles E *1886 est'd for *Dartmoor Power* 19
 1887 No R fell from June 4 to July 8
 1886 est'd for *Salisford* (Wentley) 2.02

RAINFALL AT *Christon Torquay Water Works, Kemnick*

Lat. _____

Lon. _____

County of *Devon*

Teign --- *5*

Rain Gauge, by _____

Observer

J. L. Weeks Esq. C.E.

S. Ford Esq. W. Supper Co. C.E.

Diameter	8											
Height	10											
Altitude	842 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	6.53	4.06	2.69	4.14	5.98	6.93	.80	4.09	1.22	6.59	4.303	
February	1.73	.13	4.05	6.22	1.73	.07	.92	3.74	2.55	7.18	2.892	
March	2.15	3.77	1.10	.29	2.36	3.85	3.83	6.12	3.00	.82	2.729	
April	3.77	1.89	.79	.46	3.95	3.32	.35	5.11	2.96	3.47	2.607	
May	3.08	3.60	1.29	1.81	2.62	.96	.03	1.85	4.12	2.67	2.203	
June	2.25	3.15	2.01	.84	2.01	1.56	2.84	2.75	1.66	1.76	2.089	
July	2.38	2.89	2.04	5.36	4.74	3.52	2.23	2.23	.23	1.13	2.645	
August	3.25	6.43	3.81	1.63	4.38	2.65	1.83	4.44	2.04	3.22	3.371	
September....	1.32	1.86	1.94	1.71	4.03	.67	6.52	3.97	.97	2.31	2.520	
October	1.10	10.94	6.35	2.86	6.97	5.45	4.11	2.11	7.79	2.50	5.018	
November....	4.32	5.69	4.79	2.70	7.52	10.14	1.37	2.19	4.53	4.06	4.731	
December	5.13	6.83	1.84	5.40	2.63	6.11	9.66	9.08	4.26	5.62	5.656	
TOTALS	37.01	51.24	32.70	33.42	48.92	45.26	34.49	47.68	35.33	41.33	40.798	

1890 *Christon Church* 2 9 miles E

RAINFALL AT

Moretonhampstead

Christow W.W. Kennick

Lat.

Lon.

County of Devon

Rain Gauge, by

Observer

W. Ingham Esq. C.E.
S. C. Chapman Esq. C.E.

Leigin - 5

Diameter ..	8										
Height	10										
Altitude ..	842 ft				836 ft						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.37	4.25	1.39	4.24	6.00	1.91	8.03	1.71	1.53	1.93	3.786
February ..	7.81	1.70	3.34	2.79	7.61	1.21	4.37	1.72	2.12	.72	3.339
March	2.28	5.28	2.05	4.93	3.81	5.99	1.31	.95	4.11	8.47	3.828
April	1.40	4.90	2.65	2.57	1.38	3.97	1.30	5.75	2.66	2.65	3.923
May	2.48	1.85	1.57	3.34	2.48	.63	2.19	4.49	2.34	1.10	2.247
June	2.77	1.91	3.25	3.03	1.12	3.49	1.52	2.48	1.14	3.72	2.443
July .....	.87	1.47	3.43	4.19	1.80	.39	.81	1.28	1.50	2.22	2.096
August	2.09	1.65	2.69	4.36	2.63	4.53	2.32	1.09	3.79	1.78	2.693
September ..	1.03	4.51	3.27	4.47	2.46	2.19	.63	.88	3.10	1.86	2.440
October	3.00	2.13	2.70	9.38	2.18	2.17	6.38	9.47	3.19	8.16	4.876
November ..	4.51	1.13	7.67	2.36	2.03	5.84	3.58	4.63	1.85	1.33	3.493
December ..	6.05	8.24	3.35	6.52	3.98	1.47	2.40	7.21	4.55	7.30	5.107
TOTALS ..	40.66	39.02	37.36	52.18	39.98	33.79	34.84	41.66	31.88	41.24	39.261

1906 Christow Church 3 miles E
Ashton Station 3 . E

tho

RAINFALL at Christon Mortonhamstead Kennels

County of South Devon Observer S.C. Chapman Esq C.E.

River Basin Tregi 5

Rain Gauge, by _____

Diameter ...	8												
Height	10												
Altitude ...	836 π												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS	
January ...	4.88	1.09	5.60	8.64	.94	3.55	1.52	1.24	4.76	7.00	39.22	16.18	12.52
February ...	5.67	1.65	4.62	1.63	6.49	8.10	8.26	1.06	2.18	7.21	46.87	18.71	12.71
March	1.30	3.00	6.20	5.14	6.68	.66	4.87	5.03	1.37	5.70	39.95	16.97	12.97
April	3.41	1.77	.14	5.34	1.99	.96	.98	1.49	3.08	2.11	2.127	7.66	12.66
May	2.73	1.63	1.66	4.25	2.17	3.22	2.19	2.48	1.47	1.01	2.281	7.15	12.15
June	2.41	3.92	4.90	.75	1.95	1.72	1.55	3.84	1.10	.73	2.267	7.22	12.22
July	2.09	.90	2.82	.58	5.21	3.46	1.28	2.16	3.75	1.49	2.474	8.68	12.68
August	5.52	3.11	7.39	.76	2.38	2.17	5.19	6.24	2.58	3.57	2.891	17.58	12.58
September ..	.50	2.21	1.29	2.81	2.55	1.03	2.89	1.68	6.47	2.20	2.263	13.24	12.24
October ...	8.19	4.94	5.25	5.14	4.00	6.22	6.67	4.74	2.11	1.68	4.894	15.20	12.20
November ...	6.75	5.67	2.24	4.66	5.16	3.04	7.24	2.44	4.37	3.52	4.499	17.57	12.57
December ...	9.99	13.12	5.34	2.92	11.52	11.09	4.36	1.47	5.26	7.13	7.220	18.22	12.22
TOTALS ...	54.44	43.01	47.45	42.52	51.04	45.22	47.00	33.87	38.50	43.35	446.00	162.72	12.72
	7	7	7	7	7	7	7	7	7	7	7	7	7

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

RAINFALL at Christow (Hennock) - No. 1.County of South Devon Observer L. E. Chapman, Esq., F.R.S.River Basin 5 Water Eng. TorquaySnowdon Rain Gauge, by

Diameter ...	8											
Height	1.0											
Altitude ...	836											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	TOTALS.
January	7.16	3.19	6.17	2.48	6.53	7.77	7.86	7.58	7.03	3.36	8.39	67.52
February	9.9	3.3	4.55	11.58	2.42	5.95	3.82	5.15	3.83	3.46	2.05	44.12
March	4.93	2.68	4.99	1.98	2.74	.68	.87	4.42	6.14	.26	3.49	33.18
April	5.21	.67	5.21	4.56	4.69	4.39	2.36	2.36	2.47	.89	3.89	36.70
May	1.69	2.20	.64	2.29	5.16	5.22	1.28	.45	1.08	3.17	1.63	24.81
June	2.02	.17	.57	.33	2.39	.07	4.00	2.52	2.45	2.64	.59	17.75
July	4.59	.87	3.77	1.83	5.05	3.61	1.37	6.48	1.55	1.64	2.35	33.11
August .....	.84	1.57	3.98	3.31	2.62	2.04	1.26	3.97	2.17	2.18	5.91	27.85
September	2.05	.69	4.08	3.66	6.05	4.52	1.75	5.72	1.80	.57	6.88	37.77
October	4.71	1.51	1.63	6.96	7.15	4.47	3.39	2.72	7.41	7.22	5.21	52.38
November	2.96	5.54	2.98	3.45	5.61	4.51	11.76	4.30	6.16	14.65	8.29	70.21
December	6.08	2.15	7.38	4.00	6.29	7.57	.77	6.02	5.70	13.22	5.42	64.60
TOTALS	432.3	21.57	45.95	46.43	56.70	50.80	40.49	51.69	47.79	53.25	54.10	512.00
	0	0	0	0	0	0	0	0	0	0	0	0

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1924	50° 38' 28"	3° 41' 10"	Moretonhampstead Luscombe			Hennock		

RAINFALL at *Christow, Kennick - No 2,*County of *South Devonshire* Observer *S. L. Chapman, Esq. B.C.*River Basin *Taig - 5* Water Eng'n. *Torguay.*

Rain Gauge, by _____

Diameter ...									8		
Height									10		
Altitude ...									860		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 M.M.S.
January ...									7.03	3.20	8.23
February ...									3.89	2.91	1.89
March									5.72	.27	3.44
April									2.05	.87	3.73
May									1.03	3.11	1.63
June									2.44	2.59	.60
July									1.56	1.71	2.37
August									2.22	2.14	5.69
September...									1.82	.62	6.76
October.....									7.38	7.16	5.37
November...									6.55	14.64	7.89
December...									5.56	13.03	5.28
TOTALS...									47.30	52.55	52.98
									70.10	70.10	70.10

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1928	50° 38' 30"	3° 04' 36"						

RAINFALL at Christow (Kennick) No. 1.County of South DevonshireObserver S. C. Chapman, Esq. C.E.River Basin Teign - S.C. G. Elliot M.S. 2. 13. 25Type of Gauge SnowdonAnnual Average 4.6 in. based on 40 years obs. un-weighted. Period of average 1881/1915 Ref. S.

707965/27

Diameter	9.											
Height	1.0.											
Altitude	836.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals.	Months
January	4.14	7.53	4.02	5.05	9.9	8.47	4.85	6.01	8.62	3.32	58.00	
February	3.60	.06	3.65	.27	4.24	5.40	7.62	1.71	2.32	6.01	34.88	
March	2.86	3.25	4.52	3.92	1.70	6.41	6.04	.15	2.37	3.84	35.06	
April	4.69	8.16	1.70	3.62	4.96	2.95	5.01	.22	5.45	4.56	34.32	
May	4.26	4.20	2.65	1.83	2.91	1.63	3.42	4.15	0.93	1.91	27.89	
June	3.27	4.32	2.66	1.90	4.71	1.52	1.30	1.71	3.51	.82	25.72	
July	4.05	2.49	2.51	.62	.46	7.74	1.13	4.63	7.53	4.42	35.58	
August	5.61	2.36	1.88	4.12	2.10	.17	1.38	5.39	3.17	.22	26.40	
September	1.53	5.26	1.91	2.91	3.78	4.33	2.30	1.69	0.76	1.77	26.44	
October	.88	8.31	4.17	2.92	4.32	1.43	4.21	4.98	6.69	5.92	43.83	
November	11.17	2.98	1.54	2.55	7.48	4.07	3.24	7.88	10.13	7.85	58.89	
December	2.05	3.90	3.11	15.67	6.89	6.23	4.78	6.31	2.32	4.03	55.29	
TOTALS	48.11	47.82	34.32	45.38	44.54	50.35	50.48	44.83	51.80	44.67	462.30	72.6
	D	D	D	D	D	D	D	D	D	D		

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1933 from map 38	50° 38' 28"	3° 41' 10"	Eastleigh	2 m	S.W.	Eastleigh	2½ m	S.W.

RAINFALL at Christow (Kennick) No. 2.

County of South Devonshire

Observer S. C. Chapman, Esq., C.E.

River Basin Teign - S.

N. S. Ellis m. s. A. m. Inst. C. E.

Type of Gauge Snowdon

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

747965/27

Diameter	8.										
Height	1.0.										
Altitude	860.			850							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.05	7.95	3.56	5.18	1.10	7.88	8.59	6.03	8.80	3.40	56.54
February	3.60	.05	3.60	.29	4.51	4.87	6.95	1.66	2.24	6.04	33.71
March	2.44	2.07	4.53	3.99	1.76	5.49	5.80	.12	2.42	3.89	33.51
April	4.48	3.10	1.84	3.81	5.19	2.59	4.72	.21	3.28	4.49	33.71
May	3.99	4.06	2.75	2.01	2.92	1.53	3.14	3.92	0.91	1.94	27.17
June	3.24	4.21	2.49	1.90	4.83	1.51	1.32	1.60	3.26	.82	25.18
July	3.98	2.49	2.59	.68	.54	7.56	1.06	4.53	7.18	4.62	33.23
August	5.39	2.25	1.79	4.22	2.32	.17	1.31	5.32	2.46	.19	25.92
September	1.50	5.06	1.93	3.02	3.95	4.08	2.35	1.71	0.71	1.73	26.04
October	.91	7.97	4.13	3.32	4.61	1.51	3.98	4.71	6.51	5.91	43.56
November	10.64	2.80	1.60	2.74	7.09	3.57	3.06	7.65	10.07	8.57	57.79
December	1.93	3.39	3.07	15.70	6.61	5.73	4.54	6.22	2.46	3.71	53.36
TOTALS	46.05 D	46.40 D	33.88 D	46.86 D	45.43 D	46.49 D	46.82 D	43.68 D	50.80 D	45.31 D	451.72 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	Parish Church.	Distance from gauge	Direction
1933 from map 38	50° 38' 55"	3° 42' 5"	Last legin	1 3/4 m	S. W	Last legin	2m	S.W.

RAINFALL at Christians (Kerrich) Station No. 1744 No. 1 **41**County of South Devon Observer N. G. Edick M.Sc. C.E.
River Basin Tenja - 5 The Water Engineers, Torquay (1945)
Type of Gauge SnowdonAnnual Average 41.6 in. based on 40 years obs. un-weighted. Period of average 1881/1915 Ref. SFile No. 742965/27

Diameter	8"				361	704						
Height	1' 0"					1						
Altitude	834'					41				840'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	6.48	5.31	10.74	2.37	3.26	6.25	5.88	7.47	9.1	1.38		Totals 50.05
February	5.60	4.9	2.59	.79	2.93	3.82	2.19	1.80	1.74	6.82		28.77
March	4.84	4.22	1.79	.23	1.29	2.31	9.01	1.65	1.89	2.16		29.39
April	1.25	2.63	1.37	2.97	1.07	2.81	3.26	2.56	2.63	2.45		23.00
May	2.54	8.41	4.38	.65	4.56	5.89	3.98	2.30	2.16	3.30		38.17
June	2.40	.62	1.05	2.61	3.05	2.88	2.27	2.50	.63	1.02		19.03
July	.96	1.82	2.53	2.76	2.98	1.15	2.37	1.07	2.66	4.47		22.77
August	4.19	5.36	3.13	3.99	2.27	4.99	1.50	3.48	1.76	5.45		36.12
September	.98	3.66	3.73	2.81	3.63	7.10	2.72	1.49	4.73	4.41		35.26
October	2.28	3.30	5.40	5.66	4.92	3.40	1.08	3.94	7.83	1.76		39.57
November	3.86	1.21	2.87	7.38	1.22	9.61	3.39	2.15	5.03	7.38		44.10
December	4.07	7.41	3.88	4.14	8.00	4.94	2.88	8.60	1.46	4.12		47.50
TOTALS	39.45	44.44	43.46	36.36	39.18	55.15	40.53	39.01	33.43	44.72		415.73

1941 { 30° 35' 28" N
3° 41' 10" W

gauge recorded 1/1950.

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 Christians (Kenich) Station No. 1745 No. 41County of South Devon Observer N. F. E. M. S. G. E.
River Basin Terrin - 5 The Wakes Engineers, Torquay (1945)
Type of Gauge Standard

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

File No. 747965/27

Diameter	8"				361	680						
Height	1' 0"					1						
Altitude	850'		860			41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	6.59	5.46	10.14	2.99	3.30	6.66	5.70	8.51	1.06	9.61	Can d.	
February	5.66	.57	2.88	.78	3.08	4.24	2.26	2.26	1.95			
March	4.89	3.77	1.67	.23	1.20	2.18	9.18	2.00	1.80			
April	1.31	2.60	1.21	3.15	1.03	3.08	3.72	2.45	2.71			
May	2.78	8.83	4.24	.65	4.50	6.96	3.83	2.42	2.39			
June	2.49	.63	1.14	2.60	2.90	2.95	2.60	2.57	.53			
July	1.05	1.86	2.43	2.65	3.13	1.17	2.62	1.14	2.45			
August	4.55	4.90	3.08	4.03	2.23	5.24	1.78	3.35	1.54			
September	.94	3.63	3.84	3.17	3.47	7.16	2.65	1.50	4.54			
October	2.27	3.05	5.57	5.60	5.27	3.34	1.20	3.24	9.07			
November	3.50	1.28	3.22	7.47	1.09	9.90	3.63	2.41	5.70			
December	3.99	6.92	3.94	3.91	8.45	5.65	3.53	9.18	1.40			
TOTALS	40.02	43.50	43.36	37.23	39.65	53.53	42.70	41.73	35.14			
	D	D	D	D	D	D	D	D	D			

1942. { latitude 50° 38' 55"

1945 { longitude 3° 42' 5"

lat. 50° 38' 30" N.

long. 3° 41' 36" W.

1950 Terminated; see no. 87A p. 747965/27

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map..... Reference No. 20-80538

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1944	50° 38' 30"	3° 41' 36"						

Station No. 1744

RAINFALL at Christow (Kennick) No. 1

51

County of S. DevonObserver Water Engineer, TorquayRiver Basin Teign - SType of Gauge SnowdonAnnual Average 41.6 in. based on 40 years obs. unweighted. Period of average 1881-1915 Ref S
184.36 " " 35 " 1916-1950 1916-1950 PFile No. 747965/27

Diameter ...	8"				361	704					
Height ...	11' 0"					1					
Altitude ...	840'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.21	3.76	.67	2.01	6.45	3.56	4.55				
February ...	5.32	.61	1.46	3.29	3.48	.36	8.07				
March ...	3.91	3.44	.74	3.40	2.41	1.62	5.33				
April ...	1.91	3.21	2.69	.15	1.16	.81	.35				
May ...	2.56	2.64	2.78	1.97	3.85	.92	2.70				
June ...	.91	.71	2.46	3.38	3.28	1.88	2.67				
July ...	2.09	1.23	2.59	2.48	2.33	4.47	4.27				
August ...	4.37	4.74	1.97	3.35	.54	3.52	3.24				
September ...	4.55	3.15	3.85	2.83	1.43	7.99	3.36				
October ...	1.27	5.60	4.12	3.15	1.92	2.51	2.31				
November ...	5.25	4.27	2.21	6.96	4.56	2.08	3.29				
December ...	3.07	3.41	1.32	3.48	5.64	7.31	4.02				
TOTALS ...	39.42 NP	36.77 NP	26.86 D	36.45 D np	37.05 D	37.03 np	44.16 np				

1951 NP low. Improved Apr 1951. Gauge number 15 account further checked 11/1/50

1952 NP low.

1953 Paint

1954 np low. Gauge broken like good, better than the abandoned in 1950 because broken to be cut
1956 np low. Check gauge to be set up in old site 1955 print.

1964 Inspected 10.4.56 Mr. Dicks. Gauge found means flat bottomed, site of NW.

1966 New gauge of SW-NW. Recommend abandon new site - abandoned 1967.

1964/2 Proposed site satisfactory.

1964/2 Proposed site 20/807838

Position of Station on Ordnance One-Inch map:

No. of Map 176National Grid Reference 20/807839
20/807840

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

Summary of Earlier Records from 10-year Sheets:

1916-1950, P-accepted

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

Station No. 1744/2

RAINFALL at Christow (Kennick) new site

51

County of S. DevonObserver Water Engineer, TorquayRiver Basin Torquin - 5

Type of Gauge

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

File No. 747965/27

Diameter ...				361	706		5"				
Height ...					1		1				
Altitude ...					51		840'				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...							* 3.72	5.49	6.97	5.73	
February ...							7.15	5.46	4.3	8.13	
March ...							5.10	3.12	6.18	4.54	
April ...							3.34	7.5	4.76	4.32	
May ...							2.62	4.21	1.69	2.69	
June ...							2.67	4.91	1.46	1.68	
July ...							4.33	3.37	2.58	4.70	
August ...							3.22	6.18	3.15	4.43	
September ...							3.42	5.04	3.1	10.96	
October ...							2.30	3.86	4.56	12.18	
November ...							3.27	2.41	10.93	7.13	
December ...							3.96	5.64	10.71	5.38	
TOTALS ...							42.10	49.94	53.73	71.87	

Dec. 56 Newg. established on site recommended. Trees will be kept back & turfwall will be built.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 38(2)808838

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