

RAINFALL AT Itchen Abbas, Chilliand

Lat. _____

Lon. _____

County of Hampshire

Rain Gauge, by _____

Observer W. J. Arnold

Diameter ...										5	
Height										1 3	
Altitude ...										200?	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										1.01	
February ...										.50	
March										3.85	
April										1.37	
May										1.23	
June										4.70	
July										2.46	
August										2.15	
September ..										3.29	
October ...										7.36	
November ..										.70	
December ...										4.28	
TOTALS ...										32.90	

1909-12. Received V. 14. Entered 27. XI. 14.

Itchen Abbas Station 4 mile W.

RAINFALL at *Stichen Abbas, Chiland*

County of *Hampshire* 5Observer *W. J. Arnold Esq*River Basin *Stichen & Spithead*

Rain Gauge, by

Diameter ...				5							
Height				1. 3							
Altitude ...				200 ?							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.71	1.31	3.06	4.65	.66	4.48	1.12	1.20	3.63	4.82	
February ...	3.90	1.41	2.87	1.22	4.99	6.28	5.36	1.06	1.69	2.84	
March	1.08	2.69	4.08	3.12	4.17	.78	3.15	2.11	.82	4.70	
April	2.85	1.65	.27	3.32	1.45	1.08	.81	1.99	3.09	2.24	
May	1.61	2.30	.89	2.53	1.67	4.25	1.47	2.83	1.59	.45	
June	2.61	1.43	4.46	60	.59	1.36	2.02	3.70	1.29	.87	
July	1.90	.01	2.12		2.57	5.00	1.38	4.40	4.93	2.20	
August	2.58	1.11	6.08		3.20	1.89	3.93	4.87	1.44	2.90	
September ..	.17	1.07	2.10		1.24	3.34	2.18	1.92	5.72	3.02	
October ...	3.98	3.78	4.29		2.07	3.48	6.01	4.07	1.28	.90	
November ..	3.37	3.74	2.30		3.19	2.52	4.63	.67	2.61	1.92	
December ...	6.54	7.13	4.53		9.14	7.46	3.80	1.32	2.41	6.13	
TOTALS ...	33.30	29.63	37.05		34.94	41.92	35.86	30.14	30.50	32.69	

TOTALS
15-17
10.77
10.65
10.78
8.13
6.34
7.88
12.91
13.14
12.84
12.26
9.83
13.66
12.19
2.26

1913 Records July - Dec Lost
1909-12. Received V. 14. Entered 27. XI. 14.
1915 apple tree 15 ft high 10 yards NE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Stichen Abbas	1/4 m	E	between Martin Worley & Stichen Abbas	3 1/2 m	W

RAINFALL at Stichen Abbas, ChiltlandCounty of HampshireObserver H. J. Arnold EsqRiver Basin Stichen r. Spithead 5Howard Rain Gauge, by

Diameter ...	5								5			
Height	1.3								1.3		1.0	
Altitude ...	200								200			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	Totals.
January ...	3.68	2.99	4.48	1.72	2.55	2.88	5.06	2.52	6.45	1.42	4.78	32.53
February ...	.80	.26	2.70	5.54	.33	5.05	2.27	4.84	2.36	.97	.88	25.70
March	2.14	1.39	2.12	1.81	1.20	.58	.54	3.49	3.16	.07	1.56	18.06
April	3.50	.80	3.32	3.07	3.22	3.28	3.17	2.16	1.85	.89	2.60	27.86
May .....	.89	1.34	.94	2.10	3.31	3.27	2.17	1.10	1.80	1.90	2.81	21.63
June	2.75	.03	1.30	.40	2.16	.00	2.42	2.87	2.43	2.03	.43	16.82
July	5.97	.16	4.83	1.27	4.27	3.97	2.41	3.94	1.45	1.43	2.13	31.83
August	1.26	2.33	2.54	2.52	2.80	2.44	1.17	3.93	2.50	1.90	3.71	27.10
September...	1.32	.85	1.89	2.29	5.51	2.91	1.56	6.70	1.42	.27	3.17	27.89
October	3.51	1.03	1.38	5.58	4.19	3.13	2.61	2.11	6.56	4.11	2.06	36.27
November...	1.61	2.38	1.91	1.60	2.63	2.38	6.83	4.00	2.53	.81	5.41	40.09
December...	2.27	1.60	4.12	3.36	5.38	3.70	.79	3.95	3.50	6.66	3.45	32.78
TOTALS...	29.40	15.16	31.53	31.26	37.55	33.59	31.00	41.61	36.01	30.46	32.99	350.56
	D	D	D	D	D	D	D	D	D	D	D	24

1920. Fruit Trees 15 ft high 10 yds NE

Position of Station on reduced Ordnance Survey
Map, 2 miles 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
1920			Stichen Abbas	1/2 mi	E	1921 Marlignorthy	3/4 mi	W

RAINFALL at Itchen Abbas (Chilland)County of HampshireObserver W. J. Arnold, Esq.River Basin Itchen & Spithead 5Type of Gauge Howard BA1940

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

665.995/26

Diameter	5											
Height	1	3										
Altitude	200											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.54	2.96	2.32	3.08	.70	5.81	7.20	3.50	5.36	2.30	3.97	
February	2.21	.11	5.38	.12	8.95	2.98	5.60	0.68	1.80	3.26	2.609	
March	.31	1.76	3.71	3.72	.66	2.55	3.29	0.27	1.30	2.89	2.066	
April	3.59	3.64	1.30	2.32	3.63	1.86	2.40	0.05	1.84	.98	2.161	
May	2.74	4.93	1.52	1.11	1.05	.53	2.62	1.87	1.07	.52	1.790	
June	2.21	2.00	3.40	1.40	4.24	2.31	1.78	0.23	1.81	.34	2.031	
July	3.87	3.77	2.32	2.43	2.12	4.23	.93	3.03	4.15	3.97	3.082	
August	4.41	1.38	0.93	3.67	2.93	.38	1.15	1.53	1.71	.02	1.841	
September	2.20	3.48	3.17	2.00	4.16	3.91	1.60	1.58	1.19	2.15	2.566	
October	.61	5.08	2.57	1.56	4.97	1.61	3.93	3.29	4.87	3.85	3.234	
November	3.64	2.01	0.77	2.48	6.83	3.56	2.55	4.74	6.49	8.11	4.418	
December	.72	1.31	0.62	4.74	3.91	3.56	3.78	4.57	1.95	1.84	3.194	
TOTALS	29.05	32.52	28.01	33.93	39.15	33.29	36.83	25.64	33.54	30.23	32.219	

1931. Fruit Trees 15' high, 10 yds N.E.

Corrected for W. N.

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
1931.			Itchen Abbas	$\frac{1}{2}$ m.	E.	Martyr Worthy	$\frac{3}{4}$ m.	W.

Station No. 726

RAINFALL at Ickham Abbas (Chilwell)

41

County of HampshireObserver W.T. Arnold Esq.River Basin Ickham & Spithead S.Type of Gauge B.F. Howard

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

30.5 in computed by Hortonish (1936) File No. 665995.26

Diameter	5"				3.5	2.62		8"	8"			
Height	1' 3"					1		1' 6"	1' 6"			
Altitude	200'					41			200'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	2.30	3.24	5.63	1.83	1.60	2.52	2.54	6.26	1.25	.93		28.10
February	2.84	.48	1.56	.48	2.54	2.56	1.31	1.31	1.67	4.66		19.41
March	3.12	2.84	.53	.22	.67	1.05	6.31	1.19	1.58	1.70		19.21
April	2.10	1.93	.75	1.50	1.37	2.31	2.53	1.77	1.87	2.74		18.77
May	1.93	3.18	3.59	.47	2.14	3.80	1.27	3.31	2.96	1.71		24.36
June	1.51	.40	1.29	2.71	2.82	3.72	1.84	2.44	.40	1.30		18.43
July	2.53	1.66	2.42	3.09	2.39	1.44	2.47	1.17	1.79	4.83		23.79
August	4.44	3.58	1.70	1.67	2.13	4.91	.55	5.29	1.21	5.82		31.30
September	.55	2.01	1.51	2.07	2.17	4.81	1.49	2.89	1.69	3.98		23.17
October	1.48	3.65	4.05	4.39	3.73	1.37	1.04	1.94	7.75	.83		30.23
November	3.22	2.10	1.40	4.70	.21	7.40	1.61	1.52	3.64	5.91		31.71
December	1.84	4.16	2.01	2.70	4.17	3.58	3.02	6.46	1.86	2.26		32.06
TOTALS	27.86	29.13	26.44	25.83	25.94	39.47	25.98	25.55	27.67	36.67		300.54

1941 Apple tree 15' high 10 yds NE.

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.
1941			Ickham Abbas	1/2 m	E	Marston Worthing	3/4 m	W

BRITISH RAINFALL ORGANIZATION

Station No. **726****RAINFALL at ITCHEN ABBAS (CHILLAND)****51**County of **HAMPSHIRE**Observer **W. J. ARNOLD Esq.**River Basin **ITCHEN and SPITHEAD S**Type of Gauge **8" HOWARD 8" M.O. MKIA.**

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

" " **30.5 in computed by Mr Connish (1936) 1916-1950 File No. 665995/26**
ref 56124536

Diameter	5"	8"	8"		325	262	8"				
Height	1'6"					1	2'0"				
Altitude	200'					51	205'				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	8.16	2.75	.95	1.68	3.08	4.62	2.23	3.56	3.12	2.85	29.00
February	6.25	.54	1.82	2.90	1.45	.27	3.74	2.58	.11	2.57	22.23
March	4.48	2.85	.55	3.15	1.29	.83	1.81	1.63	3.43	1.23	21.25
April	2.69	1.85	2.75	.36	.38	1.31	.12	.81	3.39	1.02	14.68
May	3.28	2.97	2.30	2.17	4.18	.58	1.41	2.08	.54	1.04	20.55
June	1.09	1.33	1.98	3.00	3.33	2.01	1.29	3.34	.98	2.16	20.51
July	2.58	.34	3.43	2.92	1.20	3.12	4.27	1.57	2.27	4.26	25.96
August	4.46	5.07	2.30	3.45	.38	3.86	2.70	2.87	2.67	4.50	32.26
September	4.31	2.71	2.68	2.83	2.21	3.35	3.02	5.11	.23	4.54	30.99
October	.65	4.64	4.68	3.15	5.26	3.33	2.50	2.77	2.61	3.86	38.45
November	8.00	3.60	1.30	5.60	2.58	.73	2.69	2.39	3.04	5.00	34.93
December	3.04	2.64	.80	2.75	3.74	4.96	2.88	3.72	6.38	4.01	34.92
TOTALS	43.99	31.29	25.54	33.96	29.08	28.97	28.66	32.43	28.77	43.04	325.73
	D	D	D	P	D	D	D	D	D	D	

1951. Fruit trees 15' high 10gds. N.E.

90 - 140 99 81 108 92

Inspected 13.11.59 by Mr. J. H. White. Tunnel leaks. Tang. rec. with overlap. Trees 20°-25'E 80°-130'SSW 60°-60'W-NW

also 80°-160'SE → ENE

1960 - New M.O. MKIA gauge & tubes were purchased.

526328

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference **54(4) 526326**

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Stoken Abbas	1/2 m. E	Walterbury	3/4 m 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
	✓ NPump 13	✓	✓	✓	
	✓	✓	✓	✓ but d 44	