

RAINFALL AT

Horton Pumping Station

Lat. _____

Lon. _____

County of CheshireAmidon Rain Gauge, by _____Observer P. H. Bettle EsqL. mercy 3.

Diameter ...									5		
Height									1 6		
Altitude ...									97		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...									.61	1.80	
February ...									2.34	.65	
March									2.78	2.22	
April									4.56	2.42	
May									3.40	1.10	
June									2.09	3.69	
July									2.76	3.81	
August									3.13	4.02	
September ..									3.13	2.64	
October ...									2.04	4.46	
November ..									1.98	1.77	
December ...									1.41	5.46	
TOTALS ...									30.23	34.04 ⁹	

1908 Gledes. Horton Church 2 miles S E

Horton Station 1/4 " N

Engine House 30 ft high 100 ft N

1909 Not printed card

RAINFALL at Horton Water Works P.S. West Cheshire W.C.County of CheshireObserver P. H. Bettle EsqRiver Basin Lower Mersey & C 3a J Robinson EsqSunderland Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	97											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.62	.48	4.03	2.64	1.22	3.33	.87	2.16	1.53	2.68		Totals 16.79 724
February ...	2.14	1.76	.75	.92	1.55	2.46	3.04	1.66	2.00	1.39		8.09
March .....	.74	.85	3.42	3.06	2.88	1.36	2.13	2.52	.89	5.11		10.65
April	2.74	1.02	.42	3.03	.69	1.28	1.80	1.74	1.19	1.65		6.38
May	2.12	.88	3.03	3.14	1.77	1.88	3.07	3.75	3.04	.78		10.64
June	3.13	3.05	2.51	1.87	2.55	.82	1.70	1.81	2.62	1.43		7.56
July	4.00	.63	2.14	1.99	5.97	4.21	1.55	1.02	3.52	1.23		7.32
August	3.25	2.67	6.53	2.76	1.76	4.48	2.22	7.39	2.16	3.61		15.38
September ..	.20	4.06	1.31	1.57	2.24	.68	3.48	1.36	6.60	2.55		13.97
October ...	3.08	1.62	3.24	2.66	1.22	1.87	3.96	5.51	2.01	3.23		14.71
November ...	5.38	1.79	2.97	2.98	3.15	2.98	2.03	2.63	2.01	2.12		8.77
December ...	3.17	2.79	1.44	2.14	4.46	4.92	1.93	1.46	5.42	5.82		14.63
TOTALS ...	32.57	21.60	31.79	28.78	29.46	30.27	27.78	33.01	32.99	31.60		125.38 484

1916 Building 46 ft high 40 yds N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53 20.	3	Horton	350 yds	N	Lancashire		

RAINFALL at Hooton Water WorksCounty of CheshireObserver A. J. Robinson Esq (Manager)River Basin Lower Mersey & C. 3for West Cheshire Water BoardSnarston Rain Gauge, by _____

Diameter ...	5												
Height	1 0												
Altitude ...	97												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.		
January ...	2.71	3.56	4.09	1.87	2.42	1.84	1.86	2.80	4.10	1.75	3.98		Totals.
February ...	2.90	2.24	2.50	4.09	1.75	4.45	2.32	1.45	2.56	.84	.27		
March	4.13	1.50	1.97	1.10	.46	.81	.95	3.07	1.89	.23	.69		
April	3.89	1.42	2.31	2.03	1.59	1.50	.62	2.23	1.97	1.18	.251		
May	2.16	2.01	.85	2.83	5.55	2.81	3.47	1.36	1.59	1.70	1.84		
June	4.06	.27	2.01	.51	1.96	.00	1.55	5.21	4.29	1.72	1.70		
July	5.71	.99	4.23	3.17	5.11	3.24	4.23	3.65	1.73	3.20	5.45		
August	1.86	3.99	3.53	3.63	5.60	5.08	2.85	5.99	3.57	3.52	4.23		
September...	3.66	1.01	2.74	3.73	3.63	5.22	5.31	6.07	1.90	1.65	3.26		
October	2.12	2.78	.46	5.11	3.59	3.95	3.39	2.46	3.62	4.69	5.28		
November...	.54	2.42	1.51	3.29	2.20	3.37	4.00	3.75	4.10	4.79	3.80		
December...	2.21	3.33	3.66	4.32	2.80	2.15	1.06	1.54	2.17	4.77	4.12		
TOTALS...	35.95	23.52	29.86	36.68	35.66	34.42	31.61	39.58	33.49	50.04	39.63		
	D	D	D	D	D	D	D	D	D	D	D		

1920 Building 46 ft high 40 yds N
 1930 Chimney 100' " 150 yds N.W.

Position of Station on reduced Ordnance Survey } No. of Map _____
 Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 20'	3°	Hooton	350 300 yds	N	Eastham	1 mi 1500 yds	N.E.

RAINFALL at Hooton WaterworksCounty of CheshireObserver A. J. Robinson, Esq.River Basin Mersey Lower & C-3West Cheshire Water Board (1939)Type of Gauge Snowdon B.A. 1920Annual Average 20.2 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S

66552/26.

Diameter	5.											
Height	1.6.								1' 0"			
Altitude	97.					100			97	100		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	3.42	2.13	1.40	2.00	1.45	5.23	2.16	3.73	4.76	2.25		28.53
February	3.07	.06	2.58	.23	2.17	2.32	5.08	.46	2.34	2.18		20.49
March	.27	2.13	2.25	2.16	.76	1.51	1.87	.94	1.89	2.25		16.03
April	3.01	3.30	1.01	1.72	2.55	1.58	3.87	.18	1.79	2.22		21.23
May	2.75	4.46	1.19	1.67	1.85	.73	2.49	4.04	1.34	2.16		22.68
June	5.48	.37	1.99	1.22	4.02	3.49	1.77	1.93	2.61	.96		23.84
July	2.89	4.41	2.16	1.30	1.33	3.26	2.15	3.17	6.11	4.34		31.12
August	7.29	.76	1.41	2.97	1.58	1.64	1.17	4.16	1.77	.69		23.44
September	3.30	2.90	.56	1.94	5.31	3.48	1.77	1.32	.68	3.32		24.58
October	1.75	6.50	3.70	4.28	4.43	1.64	2.67	3.63	2.77	3.15		34.22
November	4.49	2.83	1.28	2.86	3.75	3.04	1.87	3.31	4.13	4.87		32.43
December	1.71	1.04	.88	4.72	4.14	3.55	3.23	3.64	2.34	2.31		27.56
TOTALS	39.43	30.89	20.41	27.07	33.34	31.47	30.10	30.51	32.23	30.70		306.75
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		99.65

Chimney 100' high 150 yds. NW.

1940 Pumping Stn. Buildings 40' high 100' distant.

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			Hooton	100 yds	N.	Eaitham	1 1/2 m	NNE

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 2783

RAINFALL at Horton Waterworks

41

County of LeicestershireObserver West Leicestershire Water Board.River Basin Moray, Lower & C. 3Type of Gauge R.R.Annual Average 30.3 in. based on 18 years obs. un-weighted. Period of average 1881 - 1915 Ref. 5File No. 695522/26

Diameter	5"			550	391							
Height	1' 0"				1							
Altitude	94'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.45	3.34	3.54	3.43	2.29	3.14	2.31	6.22	2.52	.79		Total 30.03
February	2.71	1.52	1.53	1.37	1.96	3.51	.81	1.31	1.23	4.34		20.29
March	2.86	1.96	1.85	.90	.78	.84	4.27	.52	2.53	1.19		16.70
April	1.14	.90	.96	1.02	1.37	1.14	1.84	1.45	2.41	3.28		15.51
May	2.02	3.74	2.21	2.30	3.44	2.48	3.27	.88	2.69	.67		23.70
June	.54	.28	2.02	2.13	2.22	4.08	2.09	3.71	.74	.251		20.35
July	2.06	3.03	3.14	1.48	2.87	3.35	3.71	3.85	2.39	2.21		28.59
August	3.55	2.20	2.29	3.23	2.07	3.99	.29	2.54	1.61	4.28		26.10
September	.71	1.62	4.76	4.24	1.42	3.51	2.01	1.23	.92	4.34		24.76
October	3.08	2.78	4.06	3.69	3.65	.83	.58	1.75	3.02	1.99		25.43
November	2.36	.66	3.06	5.88	.30	3.54	3.42	1.58	4.85	4.03		29.68
December	1.31	2.90	1.09	2.77	2.13	3.70	2.43	2.96	4.49	3.61		27.39
TOTALS	24.79	24.93	29.51	32.99	24.50	34.11	27.03	28.00	29.43	33.24		288.53

1941 Nearest object - Pump House Buildings.

1942 Softening House 20' high 4' W.

1944 n. plate.

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			Horton	567 y.	N20°W	St. Pauls.	1733 y.	E9°E.

BRITISH RAINFALL ORGANIZATION

Station No. 2783RAINFALL at Hooton (Waterworks)

51

County of Cheshire Observer West Cheshire Water Board,River Basin Murray-Lower & C.3Type of Gauge B. A.Annual Average 30.2 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. S
31.16 - 35 - 1916-1950 1916-1950 66.5522/26 P

File No.

Diameter ...	5"			550	391							
Height ...	1' 0"				1							
Altitude ...	97'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	1.82	3.08	.93	2.36	1.96	3.34	1.29	2.70	3.32	4.72	25.52	
February ...	2.47	.83	1.20	2.39	2.20	.40	2.12	4.45	.29	1.95	18.30	
March ...	4.67	1.25	.81	2.02	2.15	1.10	1.56	1.67	1.39	1.51	18.13	
April ...	1.24	1.61	2.28	.70	1.70	2.28	.51	.50	2.92	1.12	14.86	
May ...	3.05	2.45	1.79	3.08	2.25	.85	1.40	2.83	1.39	2.02	21.11	
June ...	1.20	1.92	1.69	4.05	3.76	2.25	1.27	4.65	2.33	0.91	24.03	
July ...	1.35	2.12	2.74	4.63	.66	5.04	3.63	3.33	3.45	3.37	30.21	
August ...	4.69	1.82	3.05	3.66	1.00	10.06	4.29	3.58	1.42	4.66	38.23	
September ...	2.47	4.15	3.08	2.44	2.44	2.17	7.12	4.40	.22	3.29	31.78	
October ...	.97	3.63	1.46	5.67	1.90	2.55	1.98	2.64	2.23	4.07	27.10	
November ...	6.16	2.54	2.43	5.64	1.60	1.39	.85	2.04	4.23	4.66	31.54	
December ...	3.77	3.48	1.57	3.64	3.03	2.68	2.42	2.98	3.98	2.93	30.48	
TOTALS ...	33.86	28.88	23.03	40.28	24.64	34.11	28.44	35.77	27.17	35.21	311.29	
	D	D	D	D	D	D	D	D	D	D		

1951

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference

33/55.780

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Hooton	1/4 m. N.	Hooton	1 m. E.

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
	✓	✓	✓	✓	✓
	✓ but - 11, 17	✓ but 22, 26	✓	✓	