

RAINFALL AT *Hamilton, Townhill Tanks* *Lanark*

Observer R. Watson

Rain { By

Gauge {

Diameter.....7.....in.

Height above Ground, ...2 ft. 9 in.

Above Mean Sea Level 431 ft.Clyde, L. bank - 15.

YEAR.....	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January.....									4.40	1.50	
February.....									1.75	6.60	
March.....									1.25	7.20	
April.....									1.95	4.29	
May.....									3.90	1.00	
June.....									3.75	1.00	
July.....									4.60	1.60	
August.....									1.80	2.10	
September.....									4.10	4.10	
October.....									7.20	3.80	
November.....									1.10	3.50	
December.....									3.35	2.40	
TOTALS									39.15	39.09	

RAINFALL AT *Hamilton Townhill Tanks* *Lanark*

Observer *R. Watson*
 Rain { By.....
 Gauge {
 Diameter.....in.
Height above Ground,.....ft.....*9*in.Above Mean Sea Level *481* ft.*Clyde, L. bank - 5!*

* YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	7.65	4.30	4.60	9.60	4.60	2.50	5.35	4.20	7.50	4.25	
February.....	3.60	4.20	1.30	5.20	3.20	3.00	6.50	4.60	7.80	7.00	
March.....	5.30	3.40	4.20	1.50	6.10	2.25	.70	1.10	6.10	.70	
April.....	1.10	.80	4.10	5.40	1.80	.80	1.87	5.10	5.80	1.30	
May.....	2.30	1.05	4.20	2.90	2.00	4.80	.90	2.40	3.20	.85	
June.....	3.90	2.05	4.50	4.10	2.80	.50	2.00	2.20	.30	2.30	
July.....	2.50	6.20	5.35	.90	2.85	2.50	4.20	4.40	.10	1.70	
August.....	3.50	5.00	3.20	3.80	1.00	4.12	4.70	3.30	4.30	.60	
September.....	1.45	5.90	3.00	5.00	5.40	1.00	5.90	3.30	2.90	7.30	
October.....	6.00	4.20	10.60	5.20	4.00	3.90	2.75	5.50	4.35	1.70	
November.....	1.30	7.75	3.50	3.60	3.00	3.18	4.50	1.10	3.90	5.50	
December.....	1.90	3.20	5.40	7.20	3.62	3.00	7.60	3.40	7.50	(5.00)	
TOTALS	40.50	48.05	53.95	64.40	40.37	31.55	49.97	40.60	53.75	(38.20)	

451.34

1869 December gauge leaky - roughly estd. TV. 1914

RAINFALL AT *Hamilton Townhill Tanks*

Lat.

Lon.

County of *Lancashire*

Water Works.

Rain Gauge, by

Observer *R. Watson*Gage, *L. bank - S.*

Diameter.	7										
Height.	0.9										
Altitude.	431										
Year.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.	1.50	5.50	5.20	6.60	4.10	6.50	2.70	6.60	3.45	.60	
February. ....	.70	3.80	3.05	.75	1.00	1.30	4.30	3.55	1.50	1.50	
March. ....	.90	2.75	2.25	2.30	2.90	1.60	4.40	2.05	1.00	3.50	
April.	1.30	3.20	.80	.40	1.80	1.30	1.70	2.40	2.15	1.45	
May.	3.15	.85	3.20	2.80	1.60	1.20	.50	1.60	3.10	2.10	
June.	1.70	1.40	7.20	1.35	1.10	2.50	2.65	2.65	1.70	5.05	
July.	1.20	4.65	5.70	4.50	2.50	1.50	1.80	3.35	.20	4.30	
August. ....	.90	7.70	3.50	4.25	4.80	2.50	4.20	6.40	3.80	4.40	
September.	2.80	1.30	7.90	4.50	3.90	3.60	2.80	1.25	4.10	3.40	
October.	3.90	2.00	3.50	6.10	6.50	4.50	5.10	4.05	4.20	1.90	
November.	3.70	3.00	5.35	1.60	3.05	3.40	2.90	4.60	2.15	1.50	
December.	2.85	4.10	4.80	3.10	1.20	3.45	4.50	3.30	1.80	2.25	
TOTALS.	24.60	39.75	52.45	38.25	34.45	33.35	37.25	41.80	29.15	31.95	363.00

RAINFALL AT Hamilton Water Works

Lat. _____

Lon. _____

County of Lanark

Rain Gauge, by _____

Observer Mr. A. Watson

Clay, L. bank - 5.

Diameter	7										
Height	9			1.							
Altitude	432T			425T	430T	425T					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.85	(.50)	3.95	5.40	7.00	3.25	3.05	1.90	1.80	2.10	3.080
February	3.30	(2.60)	3.75	1.40	3.90	4.00	1.15	3.10	25	2.10	2.555
March	2.70	2.25	4.40	1.00	1.95	2.15	2.15	1.60	1.65	1.25	2.110
April	4.05	.80	1.85	2.35	1.20	.75	1.35	1.60	45	1.60	1.600
May	1.00	4.25	2.40	2.10	3.15	3.00	2.65	.80	1.85	3.15	2.435
June	1.15	2.05	3.80	2.25	1.20	.60	.95	.55	1.55	.65	1.475
July	4.15	4.70	4.90	2.55	6.50	1.20	2.70	2.40	5.00	3.20	3.730
August .....	.60	4.00	1.40	3.95	1.85	2.90	1.60	3.05	1.25	4.95	2.555
September ..	3.60	2.45	2.65	3.25	3.40	5.50	5.20	3.70	.75	1.45	3.195
October	1.05	2.00	2.95	4.15	3.45	2.85	2.85	2.00	1.80	2.90	2.600
November	5.85	4.95	5.50	6.30	3.25	1.80	2.80	2.05	5.00	2.00	3.950
December	3.30	4.50	4.30	3.55	5.85	1.35	3.70	2.45	3.40	3.15	3.555
TOTALS	32.60	35.05	41.85	38.25	42.70	29.35	30.15	25.20	24.75	28.50	32.840

1880. Hamilton about 2 miles ^ESE.

RAINFALL AT *Hamilton Water Works*

Lat. _____ Lon. _____ County of *Lanark*

Rain Gauge, by _____
Clyde, L. bank - 5.

Observer *Mr Watson*

Diameter	7										
Height	10										
Altitude	436 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.20	2.10	2.75	.90	3.75	1.25	1.70	1.10	2.40	5.45	2.760
February ....	.85	.40	1.75	3.20	8.65	.55	1.90	3.10	3.80	2.00	2.620
March	2.05	2.75	.65	1.60	3.45	2.50	4.05	4.15	1.20	3.50	2.590
April	1.05	.40	1.10	1.50	1.95	1.45	1.75	2.15	2.05	2.95	1.635
May	2.90	1.65	3.45	2.45	2.75	.20	.65	2.45	1.85	3.85	2.220
June	2.50	1.80	3.65	1.85	2.85	1.25	3.95	5.80	1.45	2.00	2.910
July	2.80	1.05	2.00	3.90	2.70	4.20	4.20	1.55	1.10	3.00	2.650
August	3.00	4.90	7.20	3.50	4.35	5.00	1.80	3.40	4.80	.95	3.890
September	2.50	5.40	4.20	2.30	.25	1.05	4.15	2.85	3.90	3.00	2.960
October	1.70	3.00	4.60	4.10	3.10	3.55	4.40	1.60	3.10	3.00	3.215
November	6.40	3.65	3.35	1.90	3.50	3.35	1.00	3.05	5.10	4.80	3.610
December	1.40	7.30	1.60	4.65	3.75	4.30	4.95	6.20	6.25	2.30	4.270
TOTALS	33.35	34.40	36.30	31.85	41.05	28.65	34.50	37.40	37.00	36.80	35.130

1890 Hamilton Church 2 miles SE

Trees below level 100 yards SE

Gauge moved Decr 1889 11 ft E

1880

RAINFALL AT *Hamilton Water Works (Townhill)*

Lat.

Lon.

County of *Lanark*

Rain Gauge, by

Observed by *W. Hamilton Piche*

Clyde, L. bank - S.

Mr R. Watson

Diameter ..	7										
Height	10										
Altitude ..	436 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.00	1.95	3.15	6.85	4.30	1.90	5.20	2.45	5.10	5.90	4.180
February ..	2.10	1.30	1.05	7.10	2.30	2.60	2.85	3.15	2.50	2.30	2.725
March ....	.30	2.65	2.60	10.40	1.70	4.00	3.20	3.90	4.30	1.80	3.485
April	1.85	3.20	.75	1.15	5.00	2.15	1.25	1.70	1.65	2.60	2.130
May	2.15	1.85	2.30	2.05	2.70	1.25	4.60	4.90	2.45	2.20	2.645
June	4.00	2.60	1.70	1.85	1.40	.65	1.20	3.15	2.30	2.25	2.110
July	2.55	1.60	2.45	3.20	2.15	2.70	1.90	2.85	2.60	3.50	2.550
August	4.15	3.65	1.65	5.60	3.80	2.95	6.00	4.20	3.05	2.20	3.725
September ..	3.50	2.85	3.00	3.15	2.60	2.50	1.60	.85	4.15	2.10	2.630
October	5.65	4.25	1.95	6.20	1.60	2.10	6.10	6.90	1.15	7.00	4.290
November ..	5.35	2.95	1.50	2.65	2.00	3.00	4.30	2.10	3.55	2.25	2.965
December ..	8.30	3.85	4.60	2.80	3.65	3.40	3.90	5.20	2.70	4.95	4.335
TOTALS ..	44.90	32.70	26.70	53.00	33.20	29.20	42.10	41.35	35.50	39.05	37.770

200 400 600 800 1000 1200 1400 1600 1800 2000

1900 Hamilton Church 2 miles ^{NE} SE

Trees below level 300 ft ^{NE} SE

1903 Hamilton Dock Station 1 1/2 miles ^{NE} SE

H. W. Watson

RAINFALL at Hamilton Water Works Town HillCounty of Lanark Observer W. H. Purdie Esq.River Basin Glyde - left bank tribs. 5.

Rain Gauge, by _____

Diameter ...	7												
Height	1	0											
Altitude ...	436	7											SUM 1679
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	4.00	2.70	1.80	3.00	3.25	2.50	5.80	1.65	4.00	3.60	32.30	1505	
February ...	4.60	6.45	2.20	2.85	4.25	5.25	4.65	1.00	4.85	.50	36.80	1120	
March	2.40	1.60	4.45	4.65	4.60	1.00	1.45	1.95	1.70	3.50	26.30	760	
April	4.80	2.45	1.00	3.00	2.10	2.55	2.95	1.50	.45	1.80	22.60	670	
May	2.50	1.90	1.15	2.75	2.05	1.27	5.10	2.80	2.75	.50	22.77	1115	
June	2.55	1.85	5.05	3.25	.50	1.90	2.50	2.20	1.20	3.60	24.60	950	
July	3.60	1.65	2.50	1.15	2.85	3.50	3.45	1.70	2.65	.50	23.54	830	
August	5.90	2.10	4.05	1.00	2.65	2.90	6.15	4.05	2.20	2.80		1520	
September ...	1.00	1.95	2.20	2.20	1.00	1.20	.95	1.95	5.40	3.50		1180	
October ...	2.00	3.55	3.25	1.85	1.30	2.25	6.25	6.45	5.55	.90		195	
November ...	2.80	6.50	3.50	5.15	5.65	1.80	4.50	6.25	3.65	2.85		1725	
December ...	3.55	4.80	9.40	4.10	5.80	4.95	4.50	2.35	4.45	6.90		1880	
TOTALS ...	39.70	37.50	40.55	34.95	36.00	31.07	48.15	33.85	38.85	30.25		37087	15110

imp. D. imp. D. imp. D. imp. D.
 1910 Dues (1911) below level, 100 yards NE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Hamilton West	1 1/4 mile	NE	Hamilton	2 mls.	NE.

RAINFALL at Hamilton Water Works (Glenhill)County of Lancs.Observer H. H. Peppie Esq. C.E.River Basin T. Clyde, L. bank.Snawdon Rain Gauge, by
1929 Howard's Pedestal Gauge.

Diameter ...	7								12		
Height	1.0								0 3		
Altitude ...	456										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS:
January ...	5.30	8.10	3.60	4.10	4.35	5.40	4.80	5.50	11.35	1.20	6.97
February ...	5.55	4.5	3.15	3.90	.55	4.15	3.65	1.85	4.78	2.08	.80
March	3.80	6.00	2.40	1.90	.95	1.75	2.45	2.80	1.90	.70	3.00
April	1.85	1.10	1.70	3.65	1.80	5.30	2.30	2.30	1.63	1.98	1.46
May	4.40	2.15	2.45	1.85	5.25	7.85	3.05	1.90	1.78	2.18	2.29
June	1.10	.55	1.50	1.20	1.90	.40	1.85	3.82	5.01	2.39	2.79
July	3.25	3.10	3.00	3.55	3.00	1.55	3.15	3.87	2.80	2.37	3.04
August	6.25	6.25	2.25	5.80	2.85	3.40	2.55	6.79	3.87	5.38	5.47
September...	1.90	2.65	2.00	4.95	4.40	3.65	2.65	7.10	3.91	1.38	3.84
October	1.20	4.60	1.90	5.65	3.20	2.80	4.70	5.02	6.90	5.66	5.54
November...	3.85	1.90	2.25	4.30	2.40	.65	5.05	4.17	4.88	7.45	5.60
December...	3.10	7.00	4.45	3.20	6.75	3.50	1.15	.51	4.89	9.46	3.07
TOTALS...	44.55	43.85	30.65	44.05	37.40	40.40	37.35	45.63	53.70	44.23	43.37
	162.2	d	d	d	d	d	d	d	d	d	d

1920. 3403 ²⁵⁷⁶ clear cut 100 fms. N.E.

11/27 Gauge moved 30 yds S.

1928 Filter House 60' high 50 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. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	55° 46'	4° 5'	Hamilton west of R.R.	1 1/4 m.	N.E.	Hamilton	2 m.	N.E.

RAINFALL at Hamilton W.W. (Townhall)County of LanarkObserver W.H. Purdie, C.E. died May 1933River Basin S. Clyde Left BankGeorge Allison EsqType of Gauge M.O.Annual Average 35.6 in. based on 35 years obs. un-weighted. Period of average 1931-1935 Ref Bogf

Diameter	5											
Height	1' 0"											
Altitude	436'	430'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.34	7.59	4.33	5.94	2.15	4.33	3.56	6.95	3.56	2.31		44.06
February	3.26	.00	2.63	.67	4.55	1.99	3.45	1.54	5.35	1.41		34.85
March	1.06	2.51	2.37	2.51	1.85	2.63	.69	3.52	3.99	3.67		24.80
April	1.71	3.30	1.44	2.63	3.02	.96	1.74	.39	1.53	2.53		19.25
May	3.96	2.44	2.27	2.52	.72	1.24	1.55	3.54	.72	.86		19.82
June	5.06	1.10	2.12	2.91	4.17	1.86	2.10	3.68	2.00	.84		25.84
July	3.70	2.94	4.10	1.64	1.43	3.96	2.82	3.54	2.77	4.45		31.35
August	2.40	1.14	2.67	4.66	2.07	2.17	4.03	2.66	1.95	1.43		25.47
September	1.37	4.41	.85	4.09	5.05	3.69	2.61	3.18	1.20	3.76		30.21
October	4.25	5.45	3.30	5.75	9.00	4.63	3.75	9.35	1.92	3.32		50.72
November	6.60	3.57	1.37	.95	5.41	3.64	.86	6.81	7.73	4.73		41.67
December	4.00	9.06	.76	4.05	2.20	3.41	1.77	2.32	2.31	4.33		36.21
TOTALS	40.71	43.51	28.21	38.32	41.62	36.51	28.92	47.48	35.03	33.94		374.23
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1931. Felter house 60' high 50 yds. N.W.

1940 Jan part set.

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			Hamilton West	1 1/4 m	N.E.	Hamilton	2 m	N.E.

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

RAINFALL at Hamilton W.W. (Townhill) Station No. 5199 41
 County of Lanark Observer George Allison Esq.
 River Basin 5-Clyde-Left Bank
 Type of Gauge (1.1)

Annual Average 36.2 in. based on 36 years obs. un-weighted. Period of average 1851-1916 Ref B of N

File No.

Diameter	5"				656	475					
Height	1.0					1					
Altitude	430'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	0.53	5.18	3.99	4.17	2.47	4.57	3.25	6.17	4.37	2.73	37.43
February	2.78	1.64	4.04	1.28	6.03	2.68	(0.80)	3.99	5.23	4.47	32.94
March	2.58	1.58	2.74	0.25	2.70	2.32	(3.25)	3.17	1.44	3.46	23.49
April	1.28	1.56	2.14	2.75	1.64	1.52	5.53	2.84	3.14	3.80	26.25
May	4.35	2.43	3.15	1.98	3.97	1.27	3.29	.95	1.79	1.55	24.73
June	0.56	1.18	2.78	2.65	3.72	2.58	2.78	5.90	1.15	1.40	24.70
July	2.76	2.57	2.90	3.60	3.06	3.23	2.20	2.38	1.58	4.37	28.65
August	4.29	3.77	4.81	4.33	1.53	2.25	0.03	6.04	3.98	5.29	36.37
September	1.01	6.11	2.17	5.58	5.09	6.07	4.16	5.87	1.29	7.84	45.19
October	2.98	4.80	4.18	4.23	5.36	0.48	1.48	3.46	4.29	3.13	37.39
November	2.19	0.69	2.27	7.13	0.43	4.46	5.61	3.20	3.73	2.82	32.93
December	2.41	4.42	1.82	4.08	2.67	3.90	2.60	5.32	7.44	1.65	36.31
TOTALS	27.72	35.93	39.99	42.03	38.67	35.33	34.98	49.39	39.43	42.51	325.98

1941 Filter House 60' high 50 yds N.W.

30004

263.47

1947 Feb & Mar est. for snow

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			Hamilton W.	1 1/4 mi	NE	Hamilton	2 mi	NE

BRITISH RAINFALL ORGANIZATION

Station No. 5199

RAINFALL at Hamilton W.W. (Townhill)

51

County of Lanark

Observer George Addison, Esq.

River Basin 5-Blyde-Left Bank

H.V. McNaughton, Esq.

Type of Gauge M.O. + A

Water Engineer, Hamilton

Annual Average 35.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.S.N.
39.24 - - - - 1916-1950 1916-1950 P

Diameter ...	5"				656	475						
Height ...	1'0"					1						
Altitude ...	430'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	3.72	3.60	1.32	4.91	2.47	2.21	5.60	4.43	1.08	3.12		
February ...	2.35	1.14	1.16	3.31	2.64	1.35	2.80	2.23	1.36	3.89		
March ...	2.25	2.15	0.92	2.33	1.90	2.05	2.97	0.96	1.56	1.77		
April ...	2.82	2.56	1.76	1.57	1.13	.76	1.80	1.16	2.03	2.57		
May ...	1.46	1.79	1.70	3.69	3.38	1.77	2.08	2.76	1.29	2.12		
June ...	2.32	2.46	1.10	2.45	1.08	2.85	2.01	3.18	2.68	1.79		
July ...	2.46	2.46	3.79	2.90	1.44	4.94	3.69	5.25	3.96	3.13		
August ...	5.03	3.56	2.95	4.67	1.46	5.16	4.16	5.81	0.69	2.94		
September ...	2.99	2.36	2.79	6.02	3.59	4.48	2.98	4.61	2.70	2.34		
October ...	0.86	2.04	1.90	3.67	2.34	3.59	3.87	3.20	4.28	2.87		
November ...	5.15	2.15	6.85	6.18	1.76	1.23	1.48	1.27	4.32	5.66		
December ...	5.75	3.12	4.71	6.05	5.96	4.95	3.88	5.05	5.00	5.70		
TOTALS ...	37.16	29.39	30.95	52.75	29.14	35.34	37.32	34.91	28.95	37.30		
	D	D	D	D	D	D	D	D	D	D		

Ins 18.8.60 Reconn. G. dismembered and very badly distorted. Rim very much distorted. Mess. to be supplied. G. had been moved since 1954 from filter bed to gravel path and now badly o/s by water tower. Gauge to be moved 80' to middle of no. 7. filter bed.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NS(26)694546

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 (98) P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	delux-14.6	delux-20.26	delux-37		
	D 15.17	- 1929			