RAINFALL AT St. Helens The Eccleston Heee

Year		1864	1865	1866	1867	1868	1869	MEANS.
January		2.48	2.03	2.91	1.28	2.38	1.78	
February					2.08		10000	
March	. 1				104			
April				1	3.61			
May				- 1	1.60			
June					-96			
July					4.70			
August					1.78			
September					2.39			
October				1	3-10			
November					-81		1	
December					4.29			
Totals		11		100	27.64	1		

Snow probably not properly measured

RAINFALL AT St Helen The Eccleston The

Lon. County of Lan cashine Lat. Observer D. M. 7 Gaskin Esq Rain Gauge, by

Diameter	12									6. 6	
Height	2.9										
Altitude	268										
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MBANS.
January		- 50	45.00	2.54	2.78	Hion	1.70	4.61	3.54	14.00	
March									1.77		
April	- 1								2.20		
May	1.07	1.45	1.27						4:34	1.58	
June		2.84			.96				3.32		
August	1.96		3.33						4.87		
September	- 1	3.83							5.06		
October	7.31	5.71	5.40	4.24	4:26	5.81	2.90	3.46	3.94	2.07	
November December	2.78	1.10			4.50				1 1	.64	
	2.79	.02	3.97		1.51	.78			2.25)		
Totals	27.57	25.05	51.39	24.93	27.87	34.18	36.36	41.78			

Snow not properly measured

RAINFALL AT St. Helens The Ecoleston Heel Sugar

Lat.				Lon		Con	nty of	Lai	cas	hori	
			Tauge, by			Observ	er	d.m.	7 Ga	sku	: 89
ellersey. L	ower a	2.							00000	-	,
Diameter	12										
Height	2.9										
Altitude	268.										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	.49	.08	2.72	3.15 9	3.51	1.78	3.99	. 98	.93	.65	
February	.80		40	4.35 2		2.35		1	.61		
March	1.37	2.41	2.15	-63:	2.49	1.94	1.84	1.33	1.89	1.27	
April	-66	1.23	4.06	1.09	1.07	1.38	1.12	1.06	1.09	1.92	
May	1.90	3.35	1.71	.68	.82	2-14	4.25	2.03	.66	2.47	
June	2-15	2.60	6.07	2.90	2.11	3-32	1.68	.91	2.54	.35	
July	5.82	3.47	5.27	3.32	3.30	1.91	3.03	1.17	6.87	2.98	
August	2.38	6.60	4.41	2.25	2.02	1.98	1.74	1.50	3.31	475	
September	2.90	2.46	3.10	6.41	3.09	4.58	3.47	5.36	1:56	2.25	
October	3.13	3.14	3.00	5.81	1.49	5.99	4.05	2.37	1.85	2.84	
November	2.03	2.91	3.43	2.60	1.57	3.18	3.04	1.17	4.98	2.49	
December	6.16	4.30	2:12	1.65	3.12	2.18	4.00	2.61	1.89	2.39	
Totals	29.79	36.72	39.77	34.84	26.92	32.73	33.01	21.10	28.18	2589	30.895

Snow probably not properly measured

RAINFALL AT St. Helens The Eccleston Hill Pumping fation

Lat.				Lon.		Con	enty of	du	nea	sur	e_
Mersey.			Gauge, by			Observ	ver 2).m.	7 Ga	skui	69
Diameter											
Height	2.9										
Altitude	268										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.17	1.01	1.80	-89	1.87	2.66	1:/3	1-11	2.05	3.84	1.953
February			1-54								
March			. 73								
April			1.15								
May			3.36			.54					
June			408								
July			3 20								
Angust			4.53			3.31					
September			3.80			1-17					
October			6.25			5.13					
November			2.44			2.65					
December			1.96								
Totals	27.02	32.34	34.84	25.73	33.34	(27.55)	31-86	(3433)	28-99	30.09	30.600

1895 Gauge out of repair from Feby 28th to March 24th amount computed

1897 February computed.

RAINFALL AT St Helens Eccleston Hill

Lat. 55 26' 25" Lon 2" 46' 15" County of Lancacherie South Harrando Rain Gause, by Parkoll of Raft Observer J. J. Dackborn & Log. C.2.

Diameter	2.9	1901									
Altitude	268	1001									The second second
Altitude	268	1001									
Year	1900	1001									
		1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January 4	4.29	2.13	(3.00)	2.36	2.55	1.05	4.02	1.19	1.96	.69	2324
February .											
March	1-00)	1.56	2.03	2.11	1.25	3.16	2.02	2.32	2.59	2.70	2074
April	1.53	2-14	1.96	1.86	1-36	2-46	1.48	. 98	2.51	1.82	1.810
May	1.36	.78	3.82	3.21	1.92	. 59	2.60	3.35	2.85	2.23	2:271
June	2.36	1.50	1.50	1.79	1.96	2.05	2.12	5.74	1.65	2.22	2:289
July	.93	1.40	1.75	4.16	.76	1.91	1:22	4.01	4.14	4.75	2:503
August	5.67	2.78	2.51	4.43	4 -28	3.83	3-27	3.83	3.46	2.95	3.651
September											2:160
October	3.66	3.38	3.39	7.70	1.86	3.43	5.79	3.52	2.31	4.66	3.970
November	3.31	3.36	1.94	3.60	1.28	3.64	2.13	3.26	3.12	1.64	2728
December	2.96	(3.75)	2.26	1.47	2.27	. 50	3.57	2:93	1.36	6.39	2746
TOTALS .	30-55			39.34	25.22	25.35	33.28	32.85	32.46	33.89	30.44

1900 March Junge broken 1903 Eccleston Church 1630 yards N.N.W Thatto Healt Station 1060. SE Chimney 110 gr high 80 ft. NE Pumphyphatan 30. 40. E RAINFALL at St Helen's Eccleston Hell
County of South Lanashine Observer J. J. Jackhand Eng CR
River Basin Lower Marsey 2

Micrord Rain Gauge, by Packall Rolling
Mr. O. 12. 4

Diameter	12								88	124	
Height	3.0										
Altitude	268 T										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS
January	2.44	. 55	2.37	3.38	1.30	403	1.89	1.80	2.32	3.86	9.87
February	2.35	2.23	1.09	. 92	1.65	2.55	3.27	(1.50)	2.50	1.69	8.96
March										5-61	988
April										1.49	6 33
May										1.27	9 20
June										1.72	9.08
July											96
August					THE PARTY OF THE P		1			4.29	177
September	. 37	3.04	1.67	1.43	3.39	1.09	2.84	1.46	9.12	1.84	15 2
October	6				W. Carlos			State of the last	Section of the second		18.4
November										2.15	11.0
December	1				1				575555	6.01	16.4
							2				
TOTALS	32.47	23.43	32.90	28.63	32.89	32.59	21.23	(33-97)	(42.32)	34.29	141-8

1912 Chuming gogshigh 80 N 9 Station 30 40

1916 Car for aut. No 1090 interent

annual values rejected from Survey, 3"low.

	ann	ual v	alues referres for	on	m, 0			
Date.	Lat, N.	Long-	Railway Station.	Distance.	Direction.	Church,	Distance.	Direction.
	53.26.25	2.46.16	That Heath	1060 74	SE	Eccleton	1630	MUR

River Basin Lower Mersey 2 Mat. Office Rain Gauge, by 2. 4 3.

RAINFALL at St. Helenis Eccleston Hill P. Habbar Pay, MIM. CE. County of S. Sancashire Observer a W. B. Kadley Esq.

Borough & Water Engle (St Helen)

Diameter	12											
Height	3 0								1.16			
Altitude	268						265			٠		
Year	1920	1921	1922	1928	1924	1925	1926	1927	1928	1929	1930. MEANS.	10
January	3.48	4.10	3.28	2.12	3.14	1.65	3.46	3.31	7.02	2.08	4.84	3
February	2.38	. 20	3.46	3.52	.96	4.77	2.86	1.58	3.31	1.01	.24	2
March	3.28	1.93	196	1.87	1.23	1.04	1. 02	2.97	1.63	. 75	3.2/	2
April	3.94	1.09	2.29	2.87	1.87	1.57	.76	2.25	1.01	-63	2.46	2
May	6.23	2.07	1.23	3.30	5.59	3.43	3.53	1.38	1-19	2-13	1.12	3
June	3.80	35	2.20	.70	2.63	.05	1.50	4.00	5 40	1.67	1.81	2
July	6.80	2.01	4.44	3./8	4.33	3.23	2.90	3.80	2.29	2.55	4.22	3
August	2.00	4.16	2-95	3.54	6.21	427	3.40	5.33	5.57	3.96	661	7
September	3.06	1.10	3.90	3.24	4.06	4.13	3.38	5.13	1.53	1.95	3.07	3
October	1.06	2.69	.37	4.26	3.67	4.03	3.74	2.91	480	5.37	526	3
November	-72	THE REAL PROPERTY.	1		77.20						523	3
December	2.56	4.34	5.11	5.42	3.33	2:48	1.21	1.33	2.43	5.66	4.58	3
TOTALS											42.65	3

Position of S	Station on ap, 2 miles	reduced O to 1 inch	rdnance Survey } 1	Vo. of Map.	Reference No	
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
1920	53°26'25	2° 46' 15	Thatto Heath	5/8 mi SE	Cecleston	7/8 mi NNVV

RAINFALL at St. Helen's (Escleston Hill)

County of South Lancashire Observer A. P. Statham, Esq. C.E. River Basin Mersey-Lower - 2 Type of Gauge M.O.

											81524	2/28.
Diameter		12.										
Height		1.0.										
Altitude		265.										
Year		1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total
January		 4.09	3.92	1.32	2-07	1.96	4.28	2.27	3.34	6.31	2.10	31.6
February		 3.01	.08	336	.25	2.91	1.99	4-13	1.00	2.98	2.60	22.3
March		 -28	2.24	209	1.82	1-16	1.79	1-14-7	1.07	1.81	2.33	16.0
April		 2.99	2.74	1.20	2.31	254	1-49	3.26	.33	2.03	2.28	21-1
May		2.30	4:37	1.37	215	1.88	1.01	2.16	3-74	1-17	1.65	21-1
June		5.07	'36	2.37	1.55	2.98	2.57	1-19	3.29	2.55	.86	22
July		2.32	3.89	2.04	136	138	3.43	1.63	3-4-3	5-81	2.67	27.0
August		7.26	1.15	1.45	4.31	2.15	1.89	2.97	5.33	1.55	1.20	29
Septembe	r	2.91	3.64	.95	2.36	6.06	3.93	1-52	1-93	.74	3.08	27.1
October		2.13	7.05	3.98	5.36	5.13	2.83	2.77	7.95	2.01	3.86	43.
November	r	 5.85	3.17	1.47	2.02	430	3.81	1-79	480	5 08	6.09	38-3
December		 1.61	1.49	60	4.78	381	370	1.84	14.95	2.89	229	27.0
Totals		 39.82	34.14	22.20	30.34	36.26	32.72	27.00	41.16	34.93	31.01	329

NB This g was borned to 1 from 24 at the end of 1927. Prior to this the second fore

an areage some 3" lows.

Position	of Station on re 1 mile t	educed Ordr to 1 inch Se	nance Survey Map, ries	No. of Map	Reference	No
Date.	Lat. N.	Long.	Railway Station,	Distance Direction from gauge	Parish Church.	Distance Direction

Date.	Lat. N. Long. Rallway Station		Railway Station,		Direction gauge	Parish Church.	Distance	Direction n gauge
1931			Thatto Heath	5/8 m	SE.	Eccleston	Ism.	NNW,

RAINFALL at St Helens	Eccleston Hill) 4
	Observer a. P. Stathan Englis
River Basin Mersey Lower 2	In Ward ag HI not et (194
Type of Gauge M.O.	

Annual Average 33.15...in. based on S. years obs. surroeighted. Period of average 1881-1915. Ref. S.

								File No	8	15242	/28
Diameter	. //25"			566	161			3			
Height	10				- 7						
Altitude	265				41			250'	-		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2:33	3.09	3 85	4.44	1.80	3.63	2.22	6.75	2.82	1.48	32.46
February	3.04	1.43	1.90	1.15	2.67	4.60	.70	2.02	1.31	4.56	23.38
March	2.66	3.36	.77	- 65	. 97	-89	4.56	1.01	2.61	1-38	18.86
April	1.65	1.32	1.54	2.32	1.98	.97	2.35	1.39	2.41	3-//	18.94
May	1.93	3.49	Q. 55	2.29	3.48	1.75	2.50	1.39	3.40	1.07	23.75
June	. 64	-61	2- 41	1.87	3.36	3.52	1.88	4.01	.48	2.08	21.16
July	2.34	3.22	3.18	2.83	2.38	3.54	2.73	2.61	3.03	2.78	2864
August	5.04	4.15	4.16	2.83	2.56	472	-23	4.19	2.31	6-06	36 28
September	1.18	2.21	3.51	490	2.09	3.75	2.76	1.86	1.51	5.15	28.92
October	3.32	4.26	3.89	3.90		1.09		2.53	3.89	2.55	30.84
November	2.34		a · 18		,	4:81		2.02	485	4.69	31.82
December	1.09	3.44	1.61	2.71	2.98	2.80	3.51	3.08	5.24	2.95	29.18
TOTALS	27:34	31.48	31.55	25.91	20 25	31.07	27.50	22.04	34.19	37.86	32418

The garage at Caleston Hill is meregrand on top of an alward energin "idealthe

Position of Station on retuced Ordnance Survey Map, No. of Map									
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.			
	1	7							
				12					

A.M. Form 1908. Air Ministry, Meteorological Office.

15 T	Station No
RAINFALL at St. Helens	(Eccleston Hill) 5
County of L. Lancaspere	Observer M. Ward Esq. M. Inst. C. L
River Basin Mussey - Lower - 2	
Type of Gauge M.O. (1951)	

		S MOLVE		San Company	10/1						/
Diameter	12"	51		566	161		12"				1
Height .		104			1						
Altitude	250	250'			51				•		
Year .	10000	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.91	3.81	1.62	3.51	2.46	4:53	1.72	2.78	3.00	4.54	30.88
February	1.82	. 95	1-18	2.82	2.27	-50	1.85	5.99	.43	1.78	19.49
March	. 441	2.27	1.22	2-29	1.72	1.21	2.77	1.70	1.18	1.63	20.40
April	. 1.83	2.23	2.64	-94	2.04	2.96	-46	.94	2.75	1.56	18.35
Мау	2.51	2.49	2.19	2.42	2.90	1.12	1.48	3.68	1.79	2.35	22.93
June	. '92	2.31	1.53	3.08	3.76	2.04	1.72	4.47	2.87	7.78	24.98
July	2.42	1.64	4.46	4-44	.73	5.13	4:06	4.71	3.12	4.93	35.64
August	. 5.47	2.59	3.68	472	1 - 55	9.03	5.94	3.26	1.08	4.78	42.10
September .	3.08	3.30	3.76	3-52	2.86	2.79	582	3.93	.28	3-12	32.46
October .	1.16	4.53	2.02	6-16	2.55	2.61	3.68	3.58	3.03	3.51	32.83
November .	. 8.77	2.47	3.35	5.61	1-81	1.75	124	1.99	4.69	5.34	37.02
December .	5.73	3.14	1-12	3.99	4.90	2.63	3.30	3.87	5.88	3-45	38.0
Totals .	41.03	31-63	28.77	43.50	29.55	36.30		40.90	30.10	39-27	355.0
TOTALS .	- H1.03	D	D	D	D	26.30	D	D	D	39.27	205.0

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
	1351					

199	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	/	V	/	~	
D, or d	> 18,19			V	