

RAINFALL AT Swinehouse Moor Lees Hill

Lat. _____

Lon. _____

County of CheshireSwinehouse Rain Gauge, by _____Observer F. J. Dixon Esq C.E.in. accuracy - 1. weekly

Diameter ...										8	
Height										30	
Altitude ...										1168 ft	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										1.47	
February ...										1.86	
March										2.75	
April										3.29	
May										1.95	
June										3.14	
July										6.74	
August										3.18	
September ..										3.51	
October ...										7.20	
November ..										1.76	
December ...										7.31	
TOTALS ...										44.16	

St James Church 2 miles W
 Mulbrook Station 2 1/4 " W

RAINFALL at Swineshaw Moor Lees HillCounty of CheshireObserver F. J. Dixon Esq C.E.River Basin Upper Mersey 1G. H. Radding C.E.Smarden Rain Gauge, by H+3

Diameter ...	8			9.5								
Height	20	1.0										
Altitude ...	168 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	4.16	1.28	2.26	3.30	3.25	6.06	3.76	1.68	2.70	4.82		16.12
February ...	3.81	4.70	1.39	1.40	1.90	3.62	5.05	1.19	5.75	1.05		12.96
March .....	.71	2.40	5.13	3.43	4.92	2.26	2.63	1.88	4.42	6.20		13.04
April	4.66	3.95	1.10	3.62	1.47	1.66	2.87	2.03	1.62	3.21		10.15
May	3.11	2.00	3.04	2.83	2.58	1.94	3.42	2.92	2.71	2.13		9.73
June	3.85	4.20	4.58	2.75	3.81	2.26	4.85	1.96	2.07	2.02		11.18
July	5.68	.46	4.80	1.44	3.86	5.34	2.76	2.52	4.91	2.32		10.90
August	5.73	4.10	7.65	2.26	3.79	4.59	2.88	6.05	4.11	3.58		12.51
September ..	.55	4.46	2.37	2.00	2.57	1.24	2.81	3.01	10.24	2.20		16.62
October ...	2.85	2.90	3.08	2.15	2.74	1.74	5.53	5.66	3.65	2.42		18.26
November ..	4.86	4.65	3.55	3.72	3.94	2.38	3.02	4.22	2.02	3.07		17.26
December ...	4.26	5.75	4.00	3.05	5.25	6.48	3.62	2.80	7.93	6.57		12.33
TOTALS ...	44.23	40.85	42.95	31.95	40.08	39.57	43.20	35.92	48.10	38.89		20.92
												115.82

1910 August page been tampered with
 1912 for open moor

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.29.22	1.59.10 W		Stalybridge	3.270 yds	W by S	St James Millbrook	7.1570 yds 3.170 yds	W by N

RAINFALL at *Swineshaw Moor Lees Hill*County of *Cheshire*Observer *G.H. Padden Esq B.E.*River Basin *Upper Mersey 1*Water Engⁿ Ashton under Lyne*Snowdon* Rain Gauge, by *N.B.*

Diameter ...	5"												
Height	1	0											
Altitude ...	1168	1108			1168								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.		
January ...	5.18	7.04	3.23	4.35	3.43	2.84	3.13	4.31	10.65	2.06	4.84	51.05	Total
February ...	4.57	6.5	5.47	4.84	1.15	5.61	3.33	1.70	5.19	1.00	.63	34.14	
March	2.83	3.28	2.25	1.87	1.54	1.95	1.60	4.20	1.74	1.13	2.44	24.83	
April	5.73	1.64	3.25	2.93	1.88	2.00	2.11	3.99	1.04	1.82	2.45	28.84	
May	6.84	2.14	1.29	3.88	5.51	4.18	4.36	1.54	1.24	2.95	2.25	36.18	
June	3.39	4.4	3.21	1.45	2.99	.06	4.20	5.49	7.87	1.67	4.45	35.22	
July	7.90	1.70	5.14	5.11	4.40	2.37	2.53	4.17	2.02	3.37	6.46	45.17	
August	2.72	5.18	5.10	4.89	6.27	2.78	5.57	6.32	6.25	6.15	5.43	56.66	
September...	2.88	1.14	4.09	4.68	3.54	3.75	3.37	6.93	1.16	2.05	4.12	37.71	
October .....	.89	2.74	1.28	5.60	5.68	5.09	3.66	3.41	4.25	5.31	5.50	42.81	
November...	1.43	2.07	3.07	5.90	2.14	3.36	4.33	3.97	5.25	8.71	4.30	44.53	
December...	4.11	5.43	4.40	4.18	4.09	3.73	1.87	0.90	2.75	6.05	2.34	39.85	
TOTALS...	48.47	33.45	41.78	49.28	42.62	37.72	40.06	46.93	49.41	42.26	45.21	476.99	
											w	424	

*open station*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	Parish Church.	Distance from gauge	Direction
1920	53° 29' 22"	1° 59' 10"	Stalybridge	3 mi 270	W by S	St James	3170 yds	W by N
							19 mi 1410 yds	

RAINFALL at Higher Swineshaw Lodge (1735) Swineshaw Moor (Lees Hill)

County of CheshireObserver M.T.B. Whitson, Esq., C.E.River Basin Mersey - Upper 1

Type of Gauge

433

11

Annual Average 38.6 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref S
as no longer appropriate 6.27.16

705468/26

Diameter	5											
Height	1.0											
Altitude	1168				965	965	965	965				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.33	4.32	2.48	2.66	3.10	3.90	4.53	5.22	6.15	2.23		Total 37.92
February	5.14	4.6	4.10	3.0	5.93	3.52	6.80	1.98	4.57	3.31		36.11
March	5.5	2.62	3.01	2.83	2.61	2.58	3.44	1.72	3.01	3.76		26.13
April	3.83	3.68	2.06	2.09	3.14	1.58	3.63	1.60	2.60	3.29		26.50
May	2.34	4.53	1.72	2.54	7.6	2.98	2.38	4.21	2.83	2.03		24.32
June	6.50	7.3	2.83	2.20	3.93	3.25	2.21	5.08	3.44	9.1		31.08
July	4.54	6.39	2.98	4.52	2.39	4.57	3.48	5.40	7.92	5.17		47.36
August	6.30	1.51	1.49	3.08	1.94	3.43	1.68	4.27	2.45	2.71		28.86
September	4.45	4.57	1.46	3.06	6.36	7.30	2.06	2.14	1.52	4.33		37.25
October	2.20	6.99	4.85	6.08	7.96	5.21	2.01	9.04	2.80	3.73		50.87
November	5.10	3.01	1.95	2.71	5.28	5.51	1.99	5.04	7.38	7.75		45.72
December	1.72	1.84	7.5	5.20	3.59	4.18	3.82	4.69	4.80	5.33		35.92
TOTALS	48.00	40.65	29.68	37.27	46.99	46.01	38.03	49.39	49.47	44.55		430.04

Open Site

1934. Inspector Sept. Recommended that this g. be moved to new site selected at Higher Swineshaw Res.

1947. Station should have been called "Higher Swineshaw" since 1935. Changed in Nov 1947. & confirmed by Engineer.

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
1934			Stalybridge	3 miles	270 yds. W'S.	St. James Millbrook	1 mile	1410 yds. W'N.

Station No. TF 2753RAINFALL at Higher Swinshaw Lodge*

41

County of CheshireObserver M. L. B. Whitson Esq. C.E.River Basin Mersey Upper

Type of Gauge

Annual Average 42.3 in. based on 11 years obs. wt-weighted. Period of average 1881-1965 Ref. P.B. 574File No. 705462/26

Diameter	5"											
Height	1' 0"											
Altitude	965'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.45	4.06	5.21	6.81	4.94	5.45	3.22	9.94	2.72	3.73		Totals 47.53
February	5.54	1.91	3.03	3.28	5.18	7.20	(1.70)	2.94	2.34	4.99		38.11
March	4.91	2.39	1.79	.99	1.63	1.35	(6.00)	1.35	1.97	2.36		24.74
April	2.97	1.95	2.53	3.44	2.58	1.97	3.08	1.60	4.70	4.03		28.85
May	2.60	3.44	2.40	4.92	3.53	1.48	3.51	1.39	2.96	1.82		27.75
June	2.32	1.20	4.16	3.65	5.88	3.83	2.59	5.69	1.21	3.32		33.85
July	2.80	5.39	2.92	4.52	2.13	7.84	3.44	2.59	2.30	4.04		37.97
August	6.09	5.08	7.16	3.67	3.40	4.90	.56	5.55	3.70	8.48		45.56
September	.93	3.10	5.06	5.74	3.33	6.34	2.69	2.97	1.37	7.87		37.00
October	6.13	7.35	3.21	4.07	6.43	.65	.96	3.31	3.72	2.83		38.36
November	3.16	1.06	4.06	6.81	.66	7.59	6.20	2.84	6.87	6.88		46.13
December	3.20	3.94	2.32	3.70	2.80	4.43	4.96	3.32	7.17	8.70		39.54
TOTALS	44.00	40.87	43.85	51.60	42.49	53.03	38.91	43.49	41.03	80.12		447.39
		W	W	W	W	W	W	W	W	W		428

1947. Feb 9 mod. estd. for snow.

30004

* 1947: Station should have been called "Higher Swinshaw" from 1935. 428.

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

BRITISH RAINFALL ORGANIZATION

Station No. 2753

RAINFALL at High Swinshaw

51

County of Cheshire

Observer M. J. B. Whitson Esq. C.E.

River Basin Mersey Upper-1

Type of Gauge Mk 1A Inspection!

Annual Average 4.33 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. P. 6. 574
 " 46.35 " - 22. within 1935-57. - 1916-50
 File No. 705408/26622801/58

Diameter ...	5"			559	760						
Height ...	1' 0"				1						
Altitude ...	965'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	4.97	4.71	2.60	4.91	3.36	5.92	3.64	4.20	4.03	6.40	44.74
February ...	3.29	1.45	3.25	3.01	1.92	1.73	3.18	6.52	.61	3.54	28.50
March ...	5.45	2.91	2.76	2.92	2.36	1.54	4.37	3.20	2.17	1.05	28.73
April ...	2.72	4.08	2.83	.98	2.41	3.12	.96	1.43	3.57	2.40	24.50
May ...	1.94	2.51	2.67	4.39	3.95	1.58	1.36	3.66	1.01	2.10	25.17
June ...	1.67	3.50	4.11	4.14	3.18	3.77	2.43	5.41	2.80	1.99	33.00
July ...	4.07	4.06	8.12	8.13	1.46	7.34	5.83	5.67	4.04	7.83	56.54
August ...	6.07	3.48	5.61	7.76	.74	12.38	6.29	4.80	.50	6.20	53.83
September ...	2.97	4.72	2.92	5.52	2.73	3.72	8.57	4.48	.23	3.70	40.06
October ...	1.14	4.92	2.21	8.33	2.73	3.49	5.56	4.06	3.80	4.89	41.13
November ...	8.11	3.61	4.28	5.98	2.06	2.16	2.89	1.69	5.10	5.91	41.79
December ...	6.79	4.25	1.99	6.66	5.54	4.87	5.69	3.76	6.04	4.42	50.01
TOTALS ...	49.19 W	44.20 W	43.35 W	62.73 W	32.43 W	51.62 W	50.77 W	49.38 W	33.90 W	50.43 W	468.00

Inspected 7.9.55 Mr. Deedes. Gauge brass was missing. Tapped in curve. Site c/o W. but best available position.

Position of Station on Ordnance One-Inch map :

No. of Map... 102

National Grid Reference 86 1/2 936

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 - Rejected

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