

RAINFALL at *Langley Bottoms Reservoir*County of *Cheshire*Observer *C. Harrison, Esq. C.E.*  
*R. Seaboy*River Basin *Mercy, upper - 1*Engineer *Macclesfield**Snowdon* Rain Gauge, by *N+Z*

Diameter ...			5									
Height .....			1 0									
Altitude ...			664									
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>	1930
January ...	imp	5.07	4.47	4.03	3.16	3.13	3.47	3.53	7.54	229	4.94	
February ...	4.67	.68	5.73	6.58	1.23	6.01	3.21	2.32	3.56	.89	.42	
March .....	2.30	3.50	2.24	1.97	.93	1.87	2.03	4.34	2.04	.69	2.53	
April .....	5.94	2.00	3.43	3.29	2.18	2.50	1.82	4.04	1.40	.36	2.78	
May .....	6.02	1.84	1.07	4.00	4.73	5.13	4.43	1.47	1.00	.24	1.56	
June .....	3.44	.82	2.42	2.03	3.07	.37	2.91	6.44	5.40	2.28	1.97	
July .....	5.43	1.09	4.88	4.21	3.72	2.92	3.40	2.99	2.02	3.41	7.02	
August .....	2.63	4.87	5.01	4.09	7.22	3.41	5.27	4.73	6.08	6.89	5.76	
September...	3.58	.87	4.75	5.67	3.43	5.29	3.82	5.67	1.42	2.55	3.52	
October .....	1.90	2.60	.60	4.03	5.68	5.33	3.50	2.50	4.58	5.92	6.57	
November...	.83	2.17	2.24	4.06	1.79	3.04	5.47	3.36	4.21	8.63	4.04	
December...	2.71	4.82	5.56	5.79	3.60	2.68	1.84	1.62	2.54	6.91	4.11	
TOTALS...	imp	30.33	43.00	49.75	40.74	41.68	41.17	43.62	45.12	43.56	45.22	
			D	D	D	D	D	D	D	D	D	

1920+21 received 14723 entered 71-25

It is Situated on Reservoir embankment.

1930. G. read 9am.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1922	53° 14' 30" 25'		Macclesfield	3 miles	NW	S. James, Sutton.	1 mile	W.

RAINFALL at Langley (Bottoms Res)County of CheshireObserver E. Hamson, Esq. C.E.River Basin Mersey Upper L.

Type of Gauge

Annual Average 38.5 in. based on 5 years obs. un-weighted. Period of average 1881/1955 Ref 5

665/30/26

Diameter	5											
Height	13											
Altitude	664											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	5.17	3.92	2.27	3.38	3.01	3.12	4.45	4.51	4.87	(1.86)		36.56
February	4.53	3.4	4.85	3.9	4.81	2.98	6.08	1.50	2.48	2.10		30.01
March	5.8	2.68	2.83	3.21	1.46	1.80	2.25	1.19	2.21	2.16		20.37
April	5.35	4.24	1.86	2.54	3.45	1.44	4.03	3.6	2.16	2.24		27.70
May	2.81	4.95	1.98	2.26	70	1.00	2.02	2.59	1.97	1.29		21.57
June	5.97	1.05	4.28	1.61	3.49	2.42	1.29	3.22	2.29	1.41		27.03
July	4.38	4.20	2.91	2.39	1.59	6.33	4.32	4.60	6.43	3.87		41.02
August	6.43	1.89	99	2.43	2.23	2.09	.80	3.19	3.24	1.85		25.14
September	4.50	3.23	96	3.31	6.11	4.65	1.10	2.25	1.15	2.53		29.79
October	2.03	7.59	5.38	4.61	6.23	4.47	1.99	5.32	2.63	3.70		43.95
November	6.36	2.91	1.94	2.00	5.06	4.11	1.55	3.96	5.57	7.76		41.22
December	1.61	1.35	4.6	5.19	3.81	3.33	3.53	4.67	2.10	3.50		29.55
TOTALS	49.72	38.35	30.71	33.32	41.95	37.69	33.41	37.36	37.10	34.30		373.91
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1940. Jan cond. 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
1931			Macclesfield	2 1/4 m	S.W.	St James's Sutton	1 m	W.



Station No. T.F. 2724RAINFALL at Langley (Brettona Res.) ✓

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County of SheshireObserver E. Hanson Esq. B.E.

River Basin .....

J. H. Dessett Esq. (1946)

Type of Gauge .....

Annual Average 38.5 in. based on 5 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 665130/26

Diameter	5"	6		564	594						
Height	1' 3"	0 9			1						
Altitude	664'	659			41			662			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	1.33	3.59	4.48	5.39	3.53	3.87	2.46	8.12	2.22	2.83	37.32
February	4.32	1.77	2.53	2.06	3.31	6.48	.90	2.06	1.55	5.09	30.07
March	2.87	1.74	.98	.58	1.48	1.40	5.91	1.44	2.18	1.92	20.50
April	2.46	1.65	1.97	2.55	2.07	2.25	3.14	1.25	3.24	3.91	24.49
May	2.42	4.25	2.74	2.19	3.02	1.65	2.67	1.56	2.64	1.11	24.25
June	2.18	1.05	3.58	3.46	2.88	4.91	2.18	5.55	1.62	3.60	31.01
July	2.25	4.86	1.42	3.97	1.52	4.50	3.97	3.15	1.65	3.15	30.44
August	5.49	2.96	3.76	3.51	2.76	5.31	.59	5.37	2.58	3.67	35.90
September	.64	2.65	4.08	3.28	2.15	4.87	2.02	2.26	1.21	5.01	28.17
October	4.70	5.29	2.72	4.54	5.46	.47	.73	2.53	3.37	2.16	31.97
November	3.00	.69	3.25	5.79	.42	5.91	3.81	2.45	4.58	5.80	35.70
December	1.81	3.74	1.81	2.71	3.22	3.83	4.17	3.30	4.47	3.66	32.72
TOTALS	33.47 2	34.24 2	33.32 2	40.03 2	31.82 2	45.45 2	32.55 2	39.04 2	31.31 2	41.31 2	362.54

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.
1945			Macaulayfield	2 3/4 m	SW	St. James Sutton	1 m.	W

BRITISH RAINFALL ORGANIZATION

Station No. 2724RAINFALL at Langley (Bottoms Res.)

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County of CheshireObserver J. H. Cassell Esq.River Basin Mersey - Upper - 1Type of Gauge SnowdonAnnual Average 36.5 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. S  
" " 37.52 " " 35 " " within 1921-57 " " 1916-50  
File No. 6665130/26

Diameter ...	6"			564	594			5"				
Height ...	0' 9"				1			1' 0"				
Altitude ...	662'	659'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total	
January ...	3.52	4.30	1.99	3.22	2.87	5.49	2.01	3.96	3.22	6.35	36.93	
February ...	4.36	2.29	1.81	3.43	2.89	1.24	2.38	5.13	.67	2.64	26.84	
March ...	5.71	2.68	2.04	2.46	2.88	1.67	3.32	1.64	2.13	1.57	26.10	
April ...	3.11	4.05	2.99	.83	2.42	2.37	.32	11.7	2.84	1.70	21.80	
May ...	2.16	2.36	2.22	3.95	4.12	1.15	2.17	3.67	1.04	2.10	24.94	
June ...	1.45	3.01	4.37	3.70	3.00	3.03	1.95	5.85	1.86	1.89	30.11	
July ...	3.33	3.81	5.26	5.41	.78	4.75	5.82	4.02	2.93	5.91	42.02	
August ...	6.00	1.58	3.97	5.54	.76	9.28	4.37	3.57	.77	4.00	39.83	
September ...	2.41	3.84	2.62	4.44	2.63	3.00	7.11	4.28	.21	4.03	34.57	
October ...	1.06	4.38	2.14	6.66	2.68	2.80	3.63	3.45	3.47	5.51	35.68	
November ...	8.84	2.32	2.26	5.61	2.03	2.03	1.97	1.56	5.22	5.38	37.22	
December ...	4.79	3.79	1.89	5.93	3.66	4.25	4.40	3.92	6.13	4.04	42.69	
TOTALS ...	46.74	38.41	33.56	51.18	30.60	41.06	39.45	42.22	30.49	45.12	398.73	
	D	D	D	D	D	D	D	D	D	D		

1955. Feb. adjusted to 56. Engineer agrees.

2.1.58 Eng confirms gauge at 1' 0" as always  
high Jan 1959 J.B.O.K. 2 in low condition. Site overexposed with direction grid subject to  
interference. New site chosen nearby at Filter works.

Position of Station on Ordnance One-Inch map :

No. of Map 110National Grid Reference 55 944 715

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		cimp. 1920 D 22-30	✓ ✓	✓ ✓	