

RAINFALL AT Lorside Reservoir

60

Cheshire

M. G. W. W.

Rain { By
Gauge { Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, 600 ft.

Upper Mersey - 1.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						3.75	4.02	4.20	3.86	2.91	
February						3.53	4.32	4.52	4.23	6.10	
March						1.99	2.12	2.14	6.57	2.68	
April						1.36	2.46	6.12	3.05	2.69	
May						2.20	2.53	2.55	1.52	5.11	
June						1.06	5.58	2.47	.47	1.61	
July						3.48	5.53	6.32	.54	1.05	
August						4.75	6.18	3.47	3.43	3.76	
September72	6.58	3.14	3.08	7.92	
October						7.39	2.66	4.46	5.49	4.23	
November ...						3.83	7.46	2.48	3.42	6.49	
December						1.02	5.81	6.11	9.75	6.38	
TOTALS.....						35.08	55.45	47.98	45.41	50.93	

c c c c c

RAINFALL AT Larriede PaLat..... Lon..... County of CheshireRain Gauge, by..... Observer J. J. Bateman Esq.upper manny - 1.

Diameter.....	1											
Height.....	1.6											
Altitude.....	600											
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.25	1.20	4.68	2.75	3.98	4.35	2.45	6.37	6.12	1.67	3.682	
February.....	2.16	3.88	4.35	1.14	2.14	1.35	4.60	5.65	1.73	3.28	3.028	
March.....	3.42	1.90	3.18	2.99	4.89	.80	5.59	4.59	3.33	2.10	3.179	
April.....	2.35	4.48	5.01	1.12	2.00	7.88	3.04	2.69	2.59	2.76	2.792	
May.....	1.66	2.45	3.35	3.04	2.57	2.50	1.55	5.18	4.43	3.35	3.008	
June.....	2.87	4.53	6.39	3.11	1.27	3.15	3.84	3.40	3.27	5.31	3.714	
July.....	1.79	4.45	4.87	4.59	2.20	4.73	3.92	6.09	.71	5.80	3.915	
August.....	2.49	1.57	4.25	5.09	5.99	3.61	4.20	6.33	6.07	7.09	4.669	
September.....	3.15	5.66	7.65	3.19	3.59	6.17	5.41	4.75	5.82	2.65	4.804	
October.....	10.80	4.60	6.05	5.61	4.32	6.73	2.65	4.46	3.71	3.44	5.237	
November.....	2.62	1.02	5.55	4.46	7.00	6.50	4.28	6.82	4.42	2.39	4.586	
December.....	3.60	2.73	4.15	1.53	3.64	2.10	7.65	4.02	2.16	3.30	3.488	
TOTALS.....	40.16	38.27	59.48	38.62	43.59	43.87	49.18	60.35	44.36	43.14	46.102	

RAINFALL AT *Torrside Reservoir*

80

Lat. _____

Lon. _____

County of *Cheshire*

Rain Gauge, by _____

Observer *W. Bateman, Esq., F.R.S.*

Upper manny - 1.

Diameter	12										
Height	1. 6										
Altitude	600				680						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	7.4	7.4	4.02	5.24	6.95	2.58	6.11	1.56	2.09	2.40	3.243
February	4.39	5.62	4.02	2.72	2.82	3.30	7.5	1.16	1.26	2.81	2.905
March	3.52	5.12	3.50	1.17	2.28	2.86	2.83	2.31	3.96	4.91	3.246
April	2.53	1.41	4.98	2.46	2.15	2.38	2.74	1.63	3.55	3.77	2.760
May	2.73	3.83	1.46	1.68	2.11	3.21	9.04	2.91	1.09	2.39	3.045
June	3.87	2.10	7.12	5.55	2.05	3.97	1.99	.67	2.87	.77	3.096
July	6.67	3.78	5.71	4.27	3.70	2.33	4.41	1.63	8.15	3.28	4.393
August	1.73	5.35	3.67	4.10	1.80	1.83	2.75	1.64	3.70	6.85	3.342
September	6.50	2.74	3.20	7.76	5.02	4.20	3.12	4.29	2.00	5.40	4.223
October	8.35	5.73	4.86	6.96	2.88	9.28	6.40	3.72	1.84	5.85	5.587
November	4.76	3.83	7.28	3.73	2.07	3.40	2.45	2.78	9.99	2.06	4.235
December	7.11	4.45	5.30	4.42	5.44	3.32	6.32	3.09	2.48	3.82	4.575
TOTALS	02.90	44.90	55.12	50.06	37.27	42.66	48.91	27.39	42.98	44.31	44.650

RAINFALL AT Tonside Reservoir

Lat. _____ Lon. _____ County of Cheshire

Rain Gauge, by _____

Observer G. H. Hill Esq. C.E.

Upper manny - 1.

Diameter	12											
Height	1 6											
Altitude	680											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.10	3.52	4.22	2.00	3.24	3.94	2.03	2.42	3.22	5.27	3.397	
February	1.17	.63	3.05	6.27	5.52	.90	2.95	3.09	3.56	1.08	2.822	
March	5.66	2.79	1.05	1.24	3.55	3.85	6.08	4.08	3.25	2.72	3.427	
April	1.51	2.86	1.63	.80	1.95	2.28	2.00	3.44	2.60	4.57	2.354	
May	3.50	4.05	5.82	2.89	3.23	1.27	.72	1.76	4.32	3.20	3.076	
June	4.07	2.66	4.05	2.47	3.92	3.17	5.63	3.94	3.17	1.85	3.493	
July	4.47	4.40	3.80	3.31	4.02	8.64	2.03	2.40	1.23	2.80	3.710	
August	5.90	7.80	4.85	3.61	5.78	4.29	2.92	3.48	5.97	4.01	4.861	
September....	1.68	4.20	4.27	4.38	.82	1.66	7.03	5.23	.55	8.11	3.793	
October	4.46	5.95	9.03	3.27	6.11	4.42	6.00	2.18	5.50	4.07	5.099	
November	6.58	4.37	2.57	4.02	2.80	3.63	2.27	5.35	3.00	1.70	3.629	
December52	7.75	2.78	4.53	3.62	4.68	5.35	3.96	6.07	3.42	4.268	
TOTALS	43.62	50.98	47.12	38.79	44.56	42.73	45.01	41.34	42.34	42.80	43.929	

1890—

RAINFALL AT *Tourside Reservoir*

Lat.

Lon.

County of *Cheshire*

Rain Gauge, by

Observer *E. N. Hill Esq. C.E.*

upper meny - 1.

Diameter ..	12										
Height	1.6										
Altitude ..	680										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.66	2.81	3.24	3.11	3.90	3.14	5.60	2.02	4.00	2.59	3.607
February ..	2.90	2.30	1.21	3.58	5.05	2.60	3.31	2.42	3.62	3.50	3.049
March88	3.60	2.67	5.00	3.02	4.46	4.00	3.75	4.04	3.19	3.461
April	2.58	3.06	2.49	2.62	2.75	3.62	2.37	3.98	3.36	3.15	2.998
May	1.46	1.42	3.30	2.96	3.13	.88	4.16	3.83	2.93	2.21	2.628
June	3.91	2.02	1.40	2.38	1.21	3.69	1.77	6.72	2.08	4.19	2.937
July	5.14	3.44	2.70	3.85	2.03	3.23	3.50	3.29	6.45	6.67	4.030
August	7.64	2.65	3.65	4.85	4.89	4.58	4.02	5.11	3.67	3.64	4.470
September ..	1.45	.64	1.36	5.33	1.46	3.44	1.80	.77	3.78	3.37	2.340
October	5.22	4.10	6.41	9.58	1.94	4.74	5.75	7.45	1.21	6.67	5.307
November ..	3.45	6.56	2.14	4.79	4.05	5.30	5.79	3.79	3.00	1.95	4.082
December ..	5.52	6.79	3.61	1.97	2.71	.95	4.70	3.60	3.11	7.43	4.039
TOTALS ..	45.81	39.39	34.18	50.02	36.14	40.63	46.77	46.73	41.25	48.56	42.948

H. H. B.

RAINFALL at Lorsdale Reservoir

(old gauge)

County of CheshireObserver Messrs G. H. Hill & Sons C.E.River Basin Upper Mersey 11921. E. Holmes & Lewis Eng. C.E.
transferred to
W. R. H. Greber.

Rain Gauge, by _____

Diameter ...	12												
Height	1	6	2	0						2	0		
Altitude ...	680			669								669 1/2	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.		
January ...	6.75	8.69	3.88	5.82	3.13	3.62	4.23	4.63	10.72	2.35	6.09	59.95	Totals.
February ...	6.05	7.0	6.02	5.80	1.79	6.91	3.47	1.78	5.95	.90	.85	39.22	
March	3.24	4.02	3.00	2.36	1.34	2.34	2.50	6.29	1.73	.83	3.13	30.78	
April	6.64	2.24	4.02	3.39	1.90	2.73	2.60	6.10	1.43	2.03	3.87	36.95	
May	6.83	2.07	1.65	5.30	5.42	3.99	4.47	1.40	1.50	2.74	2.18	37.55	
June	4.04	.62	3.13	1.55	2.70	.05	3.99	5.85	6.60	1.89	5.46	35.88	
July	8.86	1.81	5.60	5.47	4.01	2.87	3.26	2.84	1.93	2.73	7.24	46.62	
August	3.30	5.54	6.55	5.41	6.50	3.72	5.64	4.93	5.41	5.90	5.09	57.99	
September...	3.37	1.43	5.34	5.27	4.01	4.87	4.07	7.56	.70	1.80	4.86	42.98	
October	1.62	3.24	1.18	4.36	6.09	4.48	4.58	4.45	4.71	6.79	6.52	47.02	
November...	1.98	2.29	3.67	6.81	2.29	4.48	4.90	5.86	5.38	8.82	6.80	53.29	
December...	3.82	7.80	5.37	5.04	3.92	4.04	3.37	1.42	3.26	7.88	3.38	49.65	
TOTALS...	55.50	40.45	49.41	56.58	43.12	43.80	47.08	53.13	50.68	44.80	43.66	54.47	537.88

Revised data for 1929 sent 11/30
enc 311 File 660604/26

New gauge at 1st installed

May 1928.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

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

RAINFALL at Torside Reservoir (New gauge) ²⁰County of CheshireObserver Manchester UnivRiver Basin - 1Engineers L. H. G. Lewis & W. F. H. Greber5 Rain Gauge, by _____

Diameter ...									5		
Height									1.0		
Altitude ...									669		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...										2.16	6.01
February86	1.03
March81	3.09
April.....										1.85	4.07
May									1.47	2.69	2.39
June									6.43	2.02	5.74
July									1.77	2.85	7.46
August									4.92	5.72	5.28
September...									.72	1.90	5.15
October.....									4.21	5.90	6.47
November...									5.36	8.86	6.03
December...									3.26	7.91	3.41
TOTALS...									-	43.53	56.13

New gauge at 1 ft. See file 660604/26

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

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

RAINFALL at ^{new g. site} ~~Torside Reservoir (old g.)~~County of Cheshire Observer Manchester Corpn. W.W.River Basin Mersey - Upper 1

Type of Gauge

Annual Average 44.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S.
660604/26

Diameter	5.											
Height	2.0.											
Altitude	669.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	8.27	5.20	2.84									
February	7.11	4.3	7.21									
March	6.0	3.10	3.45									
April	6.23	5.30	1.95									
May	2.67	4.59	1.74									
June	6.33	5.0	3.66									
July	5.49	6.25	4.17									
August	7.55	1.91	1.56									
September	6.08	5.33	1.72									
October	2.29	8.62	6.10									
November	5.17	4.02	2.83									
December	2.33	2.10	.88									
TOTALS	60.32	47.35	38.11									

1931 Readings taken from new check g in same position as old g, which was abandoned
 at Dec 31st 1930. Regard as continuation Record.

average no longer
 appropriate 24/5/32

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
 1 mile to 1 inch Series

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

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

RAINFALL at Torside Reservoir, (new G.)County of CheshireObserver Manchester Corpn. W. W.River Basin Mersey - Upper - 1

Type of Gauge

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

660604/26

Diameter	5.											
Height	1.0.											
Altitude	669											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.90	6.09	2.79	3.52	3.38	3.51	5.20	4.97	5.09	1.91		Totals. 4336
February	7.05	4.7	7.09	3.4	6.33	3.53	7.12	2.31	4.54	2.52		4130
March	71	3.08	3.51	4.03	2.68	3.22	2.78	1.89	3.48	3.09		2847
April	6.45	5.20	1.95	3.19	3.69	1.91	4.18	71	2.75	3.84		3397
May	2.93	4.81	1.87	2.99	1.04	1.53	2.73	4.01	3.05	97		2598
June	6.42	5.8	3.63	2.76	4.80	3.83	2.41	5.08	2.95	99		3345
July	5.89	6.40	4.12	5.19	2.29	5.26	3.28	5.43	7.15	5.69		5050
August	7.60	2.07	1.71	3.76	2.10	3.29	1.40	3.97	2.26	2.59		3075
September	6.23	5.26	1.86	3.14	6.17	7.00	1.62	2.27	1.74	4.47		3776
October	2.47	8.55	6.08	6.54	8.70	5.98	2.55	8.62	3.55	3.86		5690
November	5.17	3.97	2.88	2.94	6.28	6.42	2.36	5.09	7.74	8.08		5093
December	2.22	2.16	92	4.91	4.09	4.08	3.72	4.34	3.88	6.35		3667
TOTALS	6074	47.74	38.41	43.31	51.55	49.71	39.35	48.69	48.18	44.36		472.04

472.04

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. TF. 2750RAINFALL at Inside Reservoir (reg. g.)

41

County of GloucestershireObserver Manchester Corp. W.D.River Basin Murray Upper-1

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. 660624/26 196738/32

Diameter	5"		558	943								
Height	1' 0"			1								
Altitude	669'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.17	4.22	5.63	7.20	5.37	5.34	3.38	10.90	2.63	3.90		Total 50.74
February	4.97	1.87	3.30	3.45	5.41	8.49	1.68	2.84	2.59	5.96		40.56
March	6.05	2.84	1.67	.98	1.65	1.75	5.85	1.54	2.19	2.01		26.53
April	3.53	2.24	2.71	3.22	2.80	1.91	4.17	2.19	5.40	4.85		33.02
May	2.87	3.62	3.00	7.96	3.26	2.03	3.28	1.71	2.91	2.11		32.75
June	2.22	1.46	4.13	3.69	4.99	4.40	2.62	5.86	1.10	3.31		33.78
July	3.06	5.93	2.00	3.86	2.00	6.95	3.18	2.44	3.28	3.64		36.34
August	6.75	4.85	6.58	4.98	4.61	4.41	.40	5.25	3.64	4.98		46.45
September	.74	3.36	4.94	5.96	3.11	6.90	2.17	2.49	1.64	6.12		37.48
October	6.12	8.05	2.94	4.93	6.69	1.12	1.24	3.40	3.45	2.51		40.75
November	3.49	1.32	4.43	8.26	.71	7.67	6.68	2.73	4.26	7.82		50.37
December	3.24	4.26	2.59	4.33	2.90	5.29	5.69	3.35	4.59	3.48		42.72
TOTALS	45.21	44.02	43.92	58.82	43.50	56.26	40.34	44.70	44.03	50.69		471.47

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. 2750RAINFALL at Torside Reservoir

51

County of CheshireObserver Manchester Corpn. 10.10.River Basin Messy - 14/4/4 - 1

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref.

4824 " " 35 " " 1916-1950File No. 196-1950 196 738/32 P

Diameter ...	5"		538	943							
Height ...	1' 0"			1							
Altitude ...	669'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.26										
February ...	4.45										
March ...	5.87										
April ...	3.24										
May ...	2.63										
June ...	1.58										
July ...	4.50										
August ...	5.54										
September ...	2.71										
October ...	1.42										
November ...	9.48										
December ...	6.70	#									
TOTALS ...	53.38										

1951. Gauge has been affected by spring from water running down large steps in a neighbouring watercourse.
 Another gauge placed as near as possible but away from spring. No. 2750 discontinued. See 2750/1.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference SK(43)054985

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 - accepted

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

Station No. 2750/1

TF 39

51

RAINFALL at § Torside Reservoir (Torside)County of Cheshire Observer Hammerston Corp. W. W.River Basin 1. - Mersey - UpperType of Gauge StandardAnnual Average in. based on 6 years obs. un-weighted. Period of average Ref." " 47.07 - 52.57 " " 1916-50 File No. A6738/1-230136

Diameter ...	5			538	944						
Height ...	1' 0"				1						
Altitude ...	667'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...		5.06	2.50	5.17	3.03	5.62	2.94	4.52	4.42	7.46	
February ...		1.87	3.18	3.47	2.53	1.94	3.21	6.97	.75	3.53	
March ...		2.83	2.69	2.76	2.97	1.72	3.07	3.14	2.12	1.68	
April ...		3.75	3.24	1.24	2.24	2.96	.55	1.67	4.11	2.81	
May ...		2.67	2.60	4.10	5.13	1.48	1.48	4.26	1.56	2.71	
June ...	#	3.28	3.64	2.99	3.61	3.90	2.17	5.33	2.82	2.32	
July ...	4.42	3.68	6.64	6.60	1.20	6.03	5.04	5.75	4.02	8.79	
August ...	5.48	3.05	5.52	7.22	1.10	(11.67)	8.01	4.74	.49	6.13	
September ...	2.46	4.31	3.03	6.17	2.05	3.51	9.25	5.71	.24	4.16	
October ...	1.41	5.92	2.34	7.40	2.70	3.73	5.93	5.52	3.99	6.98	
November ...	9.59	3.42	3.85	6.62	1.84	2.31	3.25	1.74	6.82	6.93	
December ...	6.69	4.30	2.34	6.85	5.05	5.83	6.71	4.86	6.79	5.17	
TOTALS ...		44.14	41.57	60.61	33.45	50.70	51.61	54.21	38.13	58.67	

At 5' boundary wall 4 1/2' high 78' N, long wall. This gauge replaces 2750. See previous page.
 Inspected 6.6.56. Mr. Deeks. Gauge sound, measure flat bott. 1" N/2 type. Site
 o/e WSW. Recomm. move 100' ESE to small flat area.
 1956 Aug. est'd M036.

§ Turf-wallPosition of Station on Ordnance One-Inch map: No. of Map 102 National Grid Reference 62/056 755

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
AS1			Grinsford	3280' ENE 71°	Turf-wall	3720' WSW 260°

Summary of Earlier Records from 10-year Sheets:

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