

2734/5

RAINFALL AT Appleton Reservoir (old gauge)

Lat. _____ Lon. _____ County of Shelby, Upper Mersey

Snowdon Rain Gauge, by _____ Observer Warrington Waterworks.

234101/33

Diameter												
Height												
Altitude												
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January								1.98	1.90	3.15		
February								3.09	1.84	.96		
March								3.02	.71	1.87		
April								2.46	1.48	2.58		
May								2.05	3.21	2.35		
June								3.50	2.98	1.66		
July								1.45	.61	2.29		
August								3.43	4.81	1.26		
September....								4.26	.83	3.93		
October.....								1.81	3.31	3.73		
November....								2.00	1.73	1.22		
December								4.46	2.38	2.68		
TOTALS . . .								33.51	25.69	27.68		

✓ ✓ ✓

looked from 556 on file 234101/33. b.W.D 24.6.68

RAINFALL at

Bbleton Reservoir (old gauge) ✓

Station No. 2234/5

41

County of

Sheshire

Observer

Warrington W.W.

River Basin

Upper Mersey - 1

Type of Gauge

Sundon

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

File No.

Diameter	8"										
Height	9"										
Altitude	120'										
Year	1911 1900	1912 1901	1913 1902	1914 1903	1915 1904	1916 1905	1917 1906	1918 1907	1919 1908	1920 1909	Means
January	3.77	2.19	2.38	2.45	2.27	1.36	4.14	1.33	2.03	1.86	
February	4.29	1.46	1.70	2.19	3.57	1.47	2.63	1.53	2.67	1.10	
March	1.20	1.91	1.41	3.41	1.66	3.06	2.66	2.30	2.54	2.60	
April	1.45	1.75	2.36	1.37	1.44	2.16	1.55	1.48	3.51	2.65	
May	1.64	1.14	3.49	4.14	1.94	.86	2.44	3.27	3.25	1.57	
June	3.47	1.58	1.45	1.84	1.56	2.46	2.03	5.23	2.08	2.41	
July	2.40	2.84	1.78	4.01	1.92	2.35	1.53	3.51	4.56	3.89	
August	5.62	2.45	3.23	3.78	4.24	3.82	2.86	3.92	3.26	4.02	
September	.97	.99	1.19	4.39	2.02	1.83	2.33	.86	3.56	2.82	
October	3.29	3.36	3.51	5.44	1.47	2.84	4.36	3.23	2.05	5.41	
November	2.16	2.86	1.66	3.29	2.23	3.21	1.85	2.32	2.92	1.56	
December	3.46	3.21	1.89	1.70	2.88	.46	3.66	2.65	3.50	7.62	
TOTALS	33.72	25.74	26.05	38.01	27.20	25.88	32.04	31.63	35.93	37.21	

1900-1909 copied from 556 on file L.H.W. 26.6.58

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

RAINFALL at Appleton Reservoir (old gauge) Station No. 2734/5
 County of Lancashire Observer Warrington W.W.
 River Basin Upper Mersey - 1
 Type of Gauge 2 mouth

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

File No. 23410132

Diameter	8"										
Height	9"										
Altitude	120'										
Year	1941 1910	1942 1911	1943 1912	1944 1913	1945 1914	1946 1915	1947 1916	1948 1917	1949 1918	1950 1919	Means
January	3.71	1.20	4.41	3.67	1.53	4.07	2.09	2.27	1.88	3.20	
February	2.22	2.41	1.03	1.07	1.77	2.79	3.63	1.37	3.01	1.06	
March	72	1.16	4.30	3.19	3.22	1.62	1.82	1.76	1.17	5.54	
April	2.93	2.01	.28	4.16	1.23	1.39	2.14	1.69	1.46	1.37	
May	2.40	.64	2.10	2.26	1.77	1.56	2.33	3.19	3.66	1.53	
June	2.67	2.27	3.00	2.11	1.74	1.34 1.34	2.37	2.61	1.65	1.85	
July	4.63	.56	3.07	.93	4.67	3.79	1.68	1.54	4.09	1.46	
August	4.79	3.63	7.57	2.47	2.84	3.80	2.15	6.53	2.76	3.96	
September	.46	5.16	2.17	1.43	2.57	.80	3.29	2.03	7.26	2.38	
October	2.38	3.11	3.28	2.74	1.70	1.80	3.83	5.57	2.52	2.40	
November	5.66	2.25	2.46	2.82	3.30	2.22	3.03	3.40	1.99	2.42	
December	3.03	5.12	2.79	2.36	5.26	4.81	2.48	1.98	6.07	5.41	
TOTALS	35.60	29.52	36.46	29.21	31.60	29.99 29.99	30.84	33.94	37.52	32.58	

1910-1919 copied from 556 on file L.O. 26658
 Figures in red commanded by the Engineer 20/10/59.

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

RAINFALL at

Appleton Res (old gauge)

Station No.

2734/5

41

County of

L. Lincoln

Observer

Warrington NW

River Basin

Hengy Mersy - 1

Type of Gauge

Snowdon

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

File No. 2734/10/33

Diameter	8"										
Height	9"										
Altitude	120										
Year	1941 1920	1942 1921	1943 1922	1944 1923	1945 1924	1946 1925	1947 1926	1948 1927	1949 1928	1950 1929	Means 1920
January	3.65	3.24	3.45	2.03	3.26	1.71	2.86	4.02	6.99	2.45	4.59
February	2.54	.89	3.54	4.77	.83	5.24	4.65	2.00	3.50	1.09	.27
March	3.09	2.11	2.43	1.54	1.21	1.15	1.25	2.85	1.94	.84	2.97
April	4.08	1.30	2.48	2.44	2.02	1.57	1.02	3.27	.92	.80	2.60
May	4.73	2.51	1.08	3.84	3.75	3.41	4.36	1.58	1.47	1.98	1.61
June	3.66	0.54 2.65	1.91	.60	4.32	.18	1.93	4.74	5.17	1.41	1.32
July	6.48	1.00	4.16	2.87	4.49	2.77	3.10	2.82	2.19	2.45	5.62
August	2.03	4.00	3.55	3.72	6.54	4.12	3.44	5.74	3.23	3.58	5.67
September	2.48	1.39	2.80	4.40	3.72	3.58	3.36	5.99	1.42	1.70	3.26
October	1.67	2.45	0.78 1.78	3.99	4.32	4.42	4.98	2.87	3.90	5.35	4.79
November	1.18	2.43	1.64	3.69	1.40	2.91	4.25	3.58	4.67	5.89	4.24
December	2.54	4.31	4.50	4.24	3.18	2.56	1.15	1.04	2.12	4.89	4.04
TOTALS	38.13	26.27 26.38	32.32 32.32	38.13	39.04	33.62	36.35	40.50	37.52	32.43	40.98

1910-30 total from 556 on file L.M.O. 26.6.58
 Figures in red amended by the Engineer 20/10/59.

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

RAINFALL at Appleton Reservoir (old gauge)County of Cheshire Observer Warrington W.W.River Basin 1 - Chessey, upperType of Gauge Snowdon

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

234 101/53.

Diameter	8"										
Height	9"										
Altitude	120'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.04	2.89	1.74	2.20	1.71						
February	3.00	.12	2.96	.28	2.78						
March	.24	1.97	2.26	1.83	1.05						
April	2.63	2.95	1.12	1.90	2.46						
May	2.44	5.09	1.53	1.85	1.19						
June	5.25	.66	2.26	1.77	4.08						
July	2.90	3.57	2.16	2.02	.95						
August	7.12	1.93	1.74	3.18	1.45						
September	3.52	2.97	.89	2.23	5.26						
October	1.75	6.42	4.05	3.94	4.14						
November	5.13	2.67	1.16	1.96	4.62						
December	1.55	1.16	.53	4.80	3.54						
TOTALS	39.57	32.40	22.40	28.06	33.33	Terminated, being continued (see next sheet).					

Open area.
Inspected 26/9/33. Tube not fixed, no outer cone. Poor exposure.
New site selected. new gauge to be set up in new site.

Terminated at end of 1934

1931 copied from 556 on file

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
1932.			Warrington (Aspley)	10670 ft.	N 5° E	Warrington	2750 ft.	N.W.

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

RAINFALL at Appleton Reservoir (new g.) (+A)County of GloucesterObserver Warrington H. D.River Basin Beckey Upper - 1Type of Gauge M.O.

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

c/1933

234/10/33

Diameter			8					5			
Height			9	1.0							
Altitude			120								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January				2.24	1.71	4.18	2.80	3.27	4.85	2.39	
February				2.7	2.78	1.88	5.12	.95	2.73	2.68	
March				1.85	1.05	1.81	1.47	.85	1.58	2.74	
April				1.90	2.46	1.30	2.83	.33	1.75	2.14	
May				1.83	1.19	1.02	2.10	3.56	1.23	1.20	
June				1.77	4.08	3.32	1.29	2.78	3.18	1.18	
July				2.02	.96	3.65	1.69	3.46	7.12	3.49	
August				3.18	1.45	1.75	4.73	3.05	2.07	.97	
September				2.33	5.26	4.27	1.08	1.56	.68	3.38	
October			C	3.96	3.94	4.14	2.61	2.15	5.46	2.37	3.73
November				1.15	1.96	4.62	3.12	2.05	3.98	4.72	6.92
December				.53	4.80	3.54	3.14	1.50	3.51	2.21	2.79
TOTALS				imp.	28.09	33.23	32.05	28.86	32.76	34.79	33.61

1933 New g. erected as a result of inspection by Dr. F. Haspools on 26/3/33.

Inspected 29.9.37. G. mounted in small slab of concrete a site was reasonably satisfactory although somewhat open. There would be room for turf wall if necessary 1940 Jan. part abd. for snow. Low for 55 on file D.

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
			Warrington (after)	10670	N. at 5° E.	Wallon	2750ft.	4 332°

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

RAINFALL at Appleton Reservoir (No. 9) (T.D.)* Station No. 2734/6 41County of Cheshire Observer Warrington A.D.River Basin Messing Upper - 1Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

C. 1933

File No. 234101/33

Diameter	5"			557	448						
Height	1' 0"				1						
Altitude	120				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.65	3.16	4.69	4.18	2.07	3.45	2.35	7.07	2.26	1.02	
February	3.41	1.52 4.46	1.73	1.60	2.81	5.01	.57	1.65	1.40	4.67	
March	2.52	2.78	1.09	.82	.82	.92	5.40	1.07	2.24	1.27	
April	1.25	1.53	1.22	2.10	1.88	.93	2.45	1.35	2.56	2.53	
May	1.90	3.76	2.64	2.73	4.06	1.81	2.03	1.53	4.20	1.13	
June	.60	.31	2.36	1.75	2.56	3.09	2.23	3.62	.75	2.13	
July	1.76	3.74	2.21	3.25	2.57	3.20	1.94	2.11	1.36	3.33	
August	4.22	2.67	3.43	2.46	2.81	4.26	.28	4.18	1.80	4.16	
September	.89	2.23	3.54	4.55	1.72	4.58	2.64	1.65	1.12	4.65	
October	3.51	4.26	3.08	4.02	4.66	.89	.74	2.38	3.27	2.04	
November	2.54	.45	2.11	5.83	.37	5.12	2.98	2.22	4.99	4.69	
December	.93	3.76	1.46	2.66	2.66	3.65	2.91	2.90	4.76 -10	2.80	
TOTALS	26.23 D	30.11 D	29.56 D	35.35 D	28.99 D	36.91 D	26.58 D	31.73 D	30.09 D	34.32 D	

1942 Gauge in open.

transcription from STA on file

* Autograph record belongs to Cheshire River Board

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.
1942 1950			Warrington (Anley) Warrington (Anley)	10670' 10,800'	N 5° E N 5° E	Walton Walton	2750' 2,780'	N 33 2° E N 33 2° E

BRITISH RAINFALL ORGANIZATION

Station No. 2734/6RAINFALL at Appleton Reservoir (+A)*

51

County of Cheshire Observer Harrington W.W.River Basin Mersey - UpperType of Gauge M.O. (+A)Annual Average 33.01 in. based on 23 years obs. un-weighted. Period of average 1916-50 Ref.File No. 234.101/33

Diameter ...	5"			557	448						
Height ...	1' 0"				1						
Altitude ...	120'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.42	3.07	1.16	2.55	2.28	4.10	1.90	3.09	2.78	4.39	
February ...	1.98	.75	1.24	3.32	2.17	.59	2.01	5.21	.28	1.63	
March ...	4.54	1.94	1.73	2.14	2.18	1.07	2.55	1.47	1.41	1.83	
April ...	1.94	2.54	2.79	.59	1.72	3.81	.66	.79	3.14	1.69	
May ...	2.91	2.33	1.86	2.70	2.40	1.09	1.41	2.86	2.62	3.48	
June86	2.04	1.46	4.07	3.61	1.85	1.51	4.69	2.36	2.14	
July ...	2.73	1.56	4.90	3.53	.57	5.96	3.64	4.32	3.39	3.81	
August ...	3.96	1.49	3.18	3.73	1.02	9.18	4.03	2.03	.67	3.81	
September ...	2.71	2.88	2.87	3.34	2.64	2.79	6.12	3.15	.21	3.40	
October92	4.07	1.56	5.71	2.19	2.18	3.07	2.61	2.63	4.00	
November ...	7.87	2.66	2.67	5.16	1.50	1.18	1.68	1.56	3.94	4.90	
December ...	4.82	3.09	1.03	4.53	3.73	2.93	2.54	4.04	5.33	3.22	
TOTALS ...	37.66	28.42	26.43	541.51	26.01	36.73	31.12	35.82	28.76	36.30	
	D	D	D	D	D	D	D	D	D	D	

Record 1951 gauge situated in open area
 1951 1953 houses in from 556m file D (also 1954).
 In Dec 1954 g. B.O.K. Concrete round g. otherwise satisfactory reference.
 1960 ring cond. g. Aug 9 60

Lat 53° 21' 18" N
 Long. 2° 35' 52" W

* Autographic record belongs to Cheshire River Board. on loan until 1963 ref. 178 52.82 & 1 6395/53

Position of Station on Ordnance One-Inch map: No. of Map... 101 National Grid Reference 57(3) 600045

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Harrington	10,800'	N 5° E	Wotton	2780'	N 332° E
1956	53° 21' 18"	2° 35' 52" W						

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			Comp 1933	✓	✓