

Lat. 53°32'7" Lon. 1°32'44" W
 Leeds
 Eccup Reservoir
 Colw. d' Filliter
 Mrs. Ket. Mr.
 Square 10 in + ground 0.0 + Sea Level 340 feet

YEAR - -	1844	1845	1846	1847	1848	1849	MEANS.
January - -		.65	2.37	1.28	.87	3.63	
February - -		.71	.74	1.20	3.40	.85	
March - - -		2.13	1.39	2.21	3.35	1.58	
April - - - -		1.05	5.64	1.45	2.24	2.62	
May - - - - -		3.24	1.08	2.61	.75	2.12	
June - - - - -		2.55	1.88	2.33	4.62	1.44	
July - - - - -		3.35	2.91	1.52	1.80	3.68	
August - - - - -		5.02	3.25	1.79	4.33	3.13	
September - - -		1.82	1.31	1.20	4.47	3.98	
October - - -		4.30	4.87	2.26	5.89	4.15	
November - - -		1.37	2.13	1.97	1.26	2.49	
December - - -		.62	3.49	1.74	3.55	2.63	3.00
TOTALS - - -		23.22	29.68	29.31	23.37	35.61	32.67

✓ ✓ ✓ ✓ ✓ ✓

1844-8 - gauge 380 ft + s.L., and about 200 yds W of present position - Then, as now, level with ground.

Leeds

Occup. Reservoir

Edw. J. Gilliter

Mrs. R. E. Mr.

Square 10 in + ground 0.0

+ Sea Level 340 feet

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	1.31	2.14	3.01	3.14	1.99	.29	3.07	2.23	.42	1.24	1.884
February - -	2.07	.99	1.99	1.18	1.02	1.53	1.73	.60	.34	1.01	1.226
March - - -	.27	1.43	.24	1.33	.96	1.35	32	2.51	1.27	2.23	1.191
April - - -	2.31	1.15	.10	1.91	.66	.40	2.01	3.72	1.84	3.45	1.835
May - - - -	1.20	1.63	.99	1.27	2.37	1.62	3.77	1.57	1.77	.41	1.660
June - - - -	1.69	3.00	5.30	2.84	2.68	2.74	3.32	2.71	2.54	2.14	2.916
July - - - -	4.09	2.60	3.29	3.61	2.55	2.95	1.98	1.71	1.44	1.89	2.611
August - - -	2.17	2.32	2.38	.40	2.07	2.33	5.21	4.64	2.86	3.35	2.773
September - -	1.63	1.79	4.19	4.22	.95	.68	4.01	3.02	2.58	2.70	2.577
October - - -	1.45	1.58	3.81	3.50	1.75	4.78	3.69	1.53	3.04	2.53	2.766
November - -	2.59	.69	5.46	1.32	2.43	.78	.82	1.64	.98	2.09	1.880
December - -	.74	1.06	4.05	.60	2.69	.91	2.24	.40	1.82	2.08	1.659
TOTALS -	27.52	20.18	34.81	25.32	22.12	20.36	38.17	26.28	20.90	25.12	24.978

4 8 8 . C C 8 8 8 8 8 8
 11.6 2.6 4.2 3.2 2.5 3.2 3.2 2.2 2.2 2.2
 1857 April 30 100' above sea level = 340 ft.
 1858 Jan 21 100' above sea level = 340 ft.
 1859 Aug 27 100' above sea level = 340 ft.

Leeds

Occupy Reservoir

Code of Fillstor

Miss Pat No

Crossley's sunk in pit about 6ft x 6ft

Square 10 in + ground 0.0 + See Level 340 feet.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.28	.28	1.56	4.32	.79	1.00	3.90	2.23			
February - -	1.35	3.46	.71	.85	1.41	2.00	2.04	1.96			
March - - -	1.98	3.76	3.99	1.14	2.19	.72	1.40	1.88			
April - - -	.96	1.04	1.79	.77	1.71	.96	1.20	2.59			
May - - -	2.75	.74	3.23	1.53	1.73	1.70	.70	2.47			
June - - -	4.45	2.46	2.27	3.07	1.71	.63	3.07	1.66			
July - - -	3.15	3.42	2.10	.89	.84	1.49	4.61	3.47			
August - -	3.90	1.25	2.07	3.28	.93	4.55	3.62	2.62			
September - -	1.81	3.17	1.92	2.18	1.61	.29	5.37	1.84			
October - -	1.93	1.04	4.22	3.99	1.71	4.59	2.39	1.75			
November - -	2.79	2.24	.68	1.61	2.63	3.40	4.25	.88			
December - -	2.65	1.39	1.67	1.55	1.69	1.33	2.20	2.35	4		
TOTALS -	31.00	24.25	26.11	25.18	18.95	22.66	35.55	25.70	(58.92)	(268.32)	

d d d C C C

RAINFALL AT LeedsCopperObserver E. J. Dilliter

Rain { By.....

Gauge } Diameter 8 in.Height above Ground,.....ft. 9 in.Above Mean Sea Level 340 ft.

YEAR.....	1868	1869	MEANS.
January	4	2.94	2.94
February	1.70	2.69	
March	2.78	1.54	
April	1.70	1.90	
May	1.21	5.69	
June.....	.22	.73	
July30	.57	
August.....	2.12	1.57	
September.....	3.65	4.70	
October.....	2.85	1.32	
November.....	2.34	2.06	
December.....	6.99	4.39	
TOTALS	28.80	30.12	

C C

In the Watershed of the Wharfe
 Taken daily & entered to the day previous

RAINFALL AT Leeds Esplanade

Lat.....

Lon.....

County of... Yorkshire N.W.

..... Rain Gauge, by.....

Observer C. Hillier Esq. C.E.

Diameter8										
Height9										
Altitude	340						343				
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.26	77	3.72	2.57	2.14	3.78	88	4.84	2.95	1.48	2.539
February	1.97	2.84	3.24	1.19	1.40	2.22	2.39	2.10	1.29	3.14	2.178
March	1.71	1.09	2.28	2.86	2.01	1.30	4.34	3.27	1.16	1.49	2.151
April	1.83	3.25	3.35	1.64	1.44	1.67	2.42	4.22	2.44	2.29	2.155
May	1.36	1.97	1.44	2.82	1.72	1.38	1.85	2.24	4.55	1.31	1.764
June	1.54	3.70	4.74	1.33	5.82	2.36	2.10	1.99	4.06	5.08	2.748
July	1.80	3.58	5.31	3.01	1.89	3.06	2.20	4.79	1.70	4.57	2.991
August	1.93	1.19	3.18	2.65	2.40	2.57	2.27	4.03	7.09	3.53	3.084
September.....	1.05	6.70	3.95	2.08	2.25	3.01	3.76	3.06	3.26	1.59	3.071
October.....	1.26	3.25	5.41	2.18	2.51	4.39	3.12	3.92	2.44	1.85	3.533
November.....	2.19	1.04	4.31	2.11	2.69	4.13	3.33	2.77	3.03	1.37	2.697
December.....	3.39	1.44	3.94	1.50	2.94	1.26	7.28	2.46	1.74	1.52	2.646
TOTALS.....	26.29	29.82	44.87	29.94	22.97	30.12	34.94	39.69	34.71	28.22	31.537

C C C

RAINFALL AT Leeds, Escap. (Goodrick Blouse) Sorth.

Lat.

Lon.

County of York, W. R.

Rain Gauge, by

Observer

E. Filliter, Esq., C.E.Quay Wharf - 10

Diameter	6										
Height	0.9										
Altitude	305T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	4.45	2.59	4.03	3.86	1.47	3.92	1.83	.78	1.11		
February	4.02	1.93	2.29	2.52	2.66	.62	.86	.37	1.35		
March	3.48	2.61	.90	1.95	1.68	1.85	1.27	2.78	1.98		
April	1.49	3.09	2.81	2.17	1.49	1.98	1.65	2.76	3.24		
May	1.59	1.40	1.33	1.21	2.33	4.73	1.99	.82	3.27		
June	2.31	1.23	3.27	.90	2.97	.86	.06	2.23	.32		
July	2.57	3.62	3.60	3.88	1.22	3.47	1.40	5.42	1.55		
August	4.41	1.77	2.10	1.14	1.10	2.96	1.81	2.35	4.21		
September	2.63	1.77	4.68	1.35	3.44	1.55	3.17	.55	1.15		
October	3.68	3.90	3.05	1.33	4.94	4.61	2.06	.57	4.12		
November	3.40	3.77	2.85	1.13	2.22	2.08	2.22	6.05	.87		
December	3.20	3.88	1.01	2.45	.57	3.82	1.46	2.04	1.94		
TOTALS	33.23	35.22	31.92	23.89	26.08	32.45	19.78	26.72	25.11		

Gauge about 250 yards from the old Escap. gauge, which will be under water when the new reservoir is complete and filled.

RAINFALL AT *Leeds Eccup East*

Lat.

Lon.

County of *York*

Rain Gauge, by

Observer *E. Filliter Esq.**Buse Wharf - 10*

Diameter					8						
Height					9						
Altitude					383		375				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January						4.34	2.31	.87	1.00		
February						.69	.74	1.28	1.58		
March						3.11	1.63	3.90	2.54		
April						2.02	.62	3.04	3.67		
May						5.05	2.07	.86	2.98		
June					.80	.97	.07	2.28	.36		
July					3.73	3.60	1.27	5.45	1.52		
August					1.02	2.89	1.81	2.29	4.07		
September					1.74	1.34	3.13	.69	1.27		
October					1.30	4.34	2.15	.55	4.65		
November					1.25	1.68	2.29	6.09	.88		
December					2.20	3.58	4.63	2.13	1.96		
TOTALS						33.61	19.72	29.43	26.48		

New gauge 5 furlongs east of the old gauge.

RAINFALL AT Leds, Escup

Lat. _____

Lon. _____ County of Yorks

Rain Gauge, by _____

Observer E. Gilliver, Esq., L.L.C.Dowse - Wharfe - 10

Diameter	8										
Height	9										
Altitude	848 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January17	4.8	2.24	3.15	3.51						
February	2.14	4.16	1.67	1.93	2.30						
March	2.08	4.00	2.17	.82	2.09						
April	2.81	1.47	3.55	2.84	2.12						
May	2.33	1.52	1.33	1.19	1.02						
June	2.87	2.16	4.00	3.22							
July	4.86	2.49	3.30	3.23							
August	1.45	4.29	1.58	1.94							
September	4.09	2.65	1.71	4.63							
October	5.43	3.53	3.07	3.03							
November	2.40	2.81	2.75	2.35							
December	4.05	2.78	4.05	.81							
TOTALS	341.68	32.24	32.17	29.11							

Rejected from Dowse = 4" too Low.

RAINFALL AT Leeds Esplanade

Lat.

Lon.

County of York W.R.

Wharf-top Rain Gauge, by
Observer J. Hewson Esq. C.E.
Date - June 1894

Diameter	8										
Height	0.9										
Altitude	375 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.23	1.32	1.59	1.07	3.04	4.99	.65	2.07	1.01	3.41	2.288
February	1.10	.03	2.22	2.94	4.19	.31	.77	2.75	1.43	1.56	1.730
March	1.97	1.38	1.41	.57	1.75	2.16	3.17	2.81	.94	1.15	1.751
April97	1.73	1.46	.80	3.24	1.92	1.04	1.80	2.86	1.81	1.760
May	3.01	2.08	2.96	2.33	1.80	.42	.50	1.21	2.19	3.28	1.978
June	2.58	1.24	5.41	1.72	3.17	2.96	4.67	3.54	1.44	1.24	2.797
July	1.81	3.76	1.32	3.14	2.78	5.53	1.63	.91	.69	1.29	2.286
August	4.27	3.84	3.54	2.32	2.52	2.30	2.28	2.87	3.16	1.44	2.854
September	1.95	1.79	1.48	1.23	.75	.86	3.51	2.17	.72	3.12	1.758
October67	4.21	7.29	2.30	4.33	3.65	3.85	1.64	4.48	2.56	3.458
November	2.97	3.62	1.90	2.20	1.70	3.23	1.75	2.30	3.13	.76	2.356
December	1.16	4.01	.78	3.18	1.62	2.65	4.08	2.43	2.50	2.74	2.515
TOTALS	25.69	29.01	31.36	23.80	30.89	30.88	27.90	26.50	24.55	24.36	27.494

RAINFALL AT

Leeds Eccup South

Lat.

Lon.

County of

York W.R.

W.M.C. 10 Rain Gauge, by

Observer T. Henderson Esq. C.B.

Dose. Ave. \$

Diameter	8										
Height	0.9										
Altitude	390 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.15	1.37	1.48	1.00	2.85	3.75	.65	2.13	1.20	3.69	2.127
February	1.00	.06	2.18	2.72	4.36	.32	.78	2.78	1.92	1.60	1.770
March	1.99	1.38	1.05	.56	1.78	2.81	3.06	3.33	.85	1.23	1.754
April93	1.61	1.59	.77	3.22	1.95	1.34	1.86	2.73	1.68	1.768
May	2.85	1.73	3.07	2.77	1.79	.58	.56	1.30	2.16	3.26	2.007
June	2.48	1.28	4.87	1.61	2.78	3.15	4.43	3.69	1.75	1.28	2.722
July	1.76	3.51	1.37	3.41	2.67	6.10	1.71	.76	.75	1.37	2.341
August	4.60	3.78	3.33	2.57	2.48	2.44	2.30	3.18	3.43	1.58	2.964
September	2.04	1.69	1.67	1.34	.81	.95	3.62	2.67	.72	3.28	1.879
October77	4.27	6.88	2.56	4.47	3.97	3.91	1.77	4.32	2.54	2.516
November	2.87	3.64	1.86	1.91	1.71	3.43	1.77	2.45	2.11	.87	2.262
December	1.08	4.72	.78	3.25	1.84	3.16	3.81	3.09	2.77	2.64	2.714
TOTALS ..	25.52	29.04	30.13	24.47	30.71	32.11	27.94	29.01	24.71	25.02	27.866

RAINFALL AT Harewood House

Lat. $53^{\circ} 22'$

Lon. $1^{\circ} 30' 30''$

County of York W.R. Northern

Rain Gauge, by

Observer Countess of Harewood

Wharf - 10.

Diameter ..	5										
Height ..	1 0		0. 10								
Altitude ..	300										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.R.A.N.R.
January ..	4.22	1.85	1.39	2.07	2.73	.81	4.02	.85	1.14	1.42	2.050
February ..	5.02	1.60	1.01	2.15	3.38	1.57	2.23	2.63	1.62	.56	2.177
March ..	.67	2.31	1.09	3.60	2.05	2.57	2.14	2.12	3.77	3.04	2.336
April ..	1.24	2.83	1.82	1.72	1.94	2.54	.87	1.75	2.96	3.05	2.072
May ..	1.28	1.33	3.24	3.97	2.94	.63	2.22	4.63	3.09	1.60	2.493
June ..	4.33	1.14	1.87	2.30	1.49	1.27	1.15	4.38	1.46	3.04	2.243
July ..	2.92	2.42	2.62	3.44	2.84	1.40	1.72	2.34	3.70	4.02	2.742
August ..	4.58	1.65	3.90	3.53	3.77	4.53	2.07	1.79	1.51	3.16	3.049
September ..	.69	1.29	1.24	4.19	1.18	1.56	.69	.97	2.73	1.78	1.632
October ..	3.69	1.89	3.53	8.50	.71	2.21	5.25	6.19	1.67	2.36	3.600
November ..	3.40	3.98	1.97	1.73	2.08	4.82	3.22	3.85	1.64	.88	2.707
December ..	2.96	4.43	2.65	1.55	1.91	.46	1.68	3.36	1.54	4.28	2.482
TOTALS ..	35.00	26.72	26.33	38.75	27.02	24.37	27.26	34.36	26.83	29.19	29.583

1900 February Snow estimated

1901 Harewood Church $\frac{1}{2}$ mile N.E.

1906 Arlington Station 3 - 57.65

RAINFALL AT Adel Eccep East New

Lat.

Lon.

County of York w.R.

New

Northern

Rain Gauge, by

Observer

T. Harrison Eq. Cl.

C. G. Homzell Eq. Cl.

Wharf -10.

Diameter ..	8										
Height	0 9										
Altitude ..	375 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.85	1.45	1.43	2.04	2.95	.63	4.29	.92	1.15	1.31	2.002
February ..	5.65	1.45	1.57	1.59	3.80	1.49	2.60	2.06	1.26	.89	2.236
March ..	.76	2.33	.78	3.48	2.05	2.61	1.93	1.97	3.74	3.82	2.347
April ..	.75	2.67	1.65	1.30	1.87	2.61	.81	1.56	2.98	3.05	1.925
May ..	1.06	1.17	2.94	4.09	3.00	.86	2.05	4.10	2.60	1.91	2.378
June ..	3.59	1.01	1.53	2.27	1.17	1.34	1.07	3.50	1.24	3.21	1.993
July ..	2.52	1.24	2.11	2.87	2.55	1.19	1.53	2.23	3.01	3.56	2.281
August ..	5.02	1.46	3.98	3.06	3.50	4.35	1.91	1.75	1.55	2.98	2.956
September ..	.68	1.34	1.08	3.77	1.09	1.73	.59	.97	2.55	1.43	1.523
October ..	3.58	1.78	2.95	7.90	.77	2.02	5.39	6.60	1.65	2.21	3.485
November ..	3.77	3.79	2.08	1.89	1.85	5.56	4.01	3.27	1.68	.73	2.862
December ..	3.08	4.40	2.17	1.45	2.24	.51	2.46	3.22	1.81	5.37	2.671
TOTALS ..	34.31	24.09	24.27	35.70	26.84	24.90	28.64	32.15	25.22	30.47	28.650 443

Hub

RAINFALL AT Adel Eccep South

Lat.

Lon.

County of York W.R. Northern

Rain Gauge, by

Observer J. Newson Esq C.E.

C.G. Hornsby Esq C.E.

Wharfe - 10.

Diameter ..	8										
Height ..	0 9										
Altitude ..	390 T										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.16	1.76	1.42	1.95	2.80	.70	3.37	.87	1.09	1.23	1935
February ..	4.59	1.39	1.45	1.73	3.37	1.28	1.94	1.66	1.33	.66	1940
March ..	.58	1.80	.87	3.42	1.87	2.27	1.52	1.78	3.47	3.29	2087
April ..	.92	2.89	1.62	1.32	1.70	2.30	.76	1.54	2.90	3.04	1899
May ..	1.21	1.07	3.06	3.40	2.67	.80	2.09	3.77	2.42	1.83	2332
June ..	3.75	1.13	1.63	1.89	1.29	1.35	1.08	3.89	1.12	3.00	1963
July ..	2.73	1.31	2.33	2.97	2.35	1.22	1.41	2.30	3.10	3.58	2330
August ..	4.62	1.45	3.69	3.17	3.25	4.15	1.82	1.75	1.47	2.99	2836
September ..	.68	1.68	1.14	3.90	1.14	1.39	.59	.92	2.63	1.50	1557
October ..	3.47	1.92	2.98	7.48	.66	1.86	4.82	6.06	1.62	2.29	3316
November ..	3.12	3.89	1.81	1.80	1.82	4.45	3.18	3.24	1.65	.82	2578
December ..	2.89	4.18	2.21	1.29	1.83	.44	1.96	2.87	1.71	4.92	2430
TOTALS ..	32.72	24.47	24.21	34.32	24.75	22.21	24.54	30.15	24.51	29.15	27100

H.W.B.

RAINFALL at Adel Escarp South

County of W. Yorkshire

Observer C. G. Hengell Esq. C.E.

River Basin Ouse - Wharfe 10

Rain Gauge, by

Old gauge

Diameter ...	8										MEANS.
Height	0.9										
Altitude ...	390 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	2.75	.92	4.88	3.42	1.50	2.65	1.36	2.55	1.90	4.66	
February ...	2.73	2.12	2.04	.84	1.67	3.55	4.15	.60	2.67	2.06	
March54	1.29	3.70	3.25	3.11	.90	4.26	2.46	1.43	4.54	
April	2.33	1.12	.39	3.01	1.39	1.05	1.35	1.35	.70	1.58	
May	2.24	.93	3.69	2.50	1.12	1.88	2.57	2.29	2.99	1.62	
June.....	2.27	4.88	5.42	1.95	2.00	1.93	2.07	1.38	.97	1.86	
July	3.08	.57	4.99	.74	4.21	3.90	1.75	1.00	3.81	3.31	
August.....	3.70	2.05	6.02	1.55	2.46	2.07	2.12	5.27	2.47	2.92	
September ..	.25	2.86	1.64	1.37	1.41	.83	2.20	.91	7.39	1.58	
October ...	3.43	2.95	3.02	3.61	2.32	1.39	5.19	4.16	2.12	3.64	
November ..	4.03	3.17	1.91	2.12	3.72	2.16	3.44	2.03	1.24	2.53	
December ...	3.20	4.43	2.65	1.93	6.15	6.80	2.31	1.76	5.64	4.84	
TOTALS ...	30.55	26.79	40.35	26.29	31.06	31.04	32.77	26.76	33.33	35.84	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

063 515

10 313

RAINFALL at Adel Eccep East

County of W.R. Yorkshire

Observer C.G. Hennzell Esq. C.R.

River Basin Ouse - Wharfe 10

Rain Gauge, by

New Gauge

Diameter ...	8	.									
Height	0	9									
Altitude ...	375	ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS Totals
January ...	3.10	.96	5.26	4.15	1.59	3.74	1.16	2.74	2.24	3.54	9.68
February ...	2.63	1.79	2.22	.87	1.75	4.16	4.45	.62	2.62	2.82	9.91
March52	1.39	3.62	3.25	3.34	1.23	4.90	2.70	1.48	4.54	13.62
April	2.39	1.18	.27	3.26	1.19	1.09	1.40	1.77	.72	1.68	5.51
May	2.31	.89	3.84	2.63	1.17	1.98	2.74	2.33	2.74	1.61	9.42
June	2.25	4.07	5.55	1.91	2.16	.99	1.98	1.56	.96	1.15	5.65
July	3.13	.89	4.87	.89	4.54	4.29	1.69	.98	4.85	5.19	10.41
August	3.78	2.05	6.40	1.69	2.59	3.40	2.12	5.60	2.77	2.11	12.60
September ..	.14	3.09	1.73	1.36	1.46	1.01	1.99	.93	7.50	1.87	11.69
October ...	3.30	3.10	2.95	3.78	2.61	1.45	5.31	4.50	2.09	3.58	15.48
November ...	4.37	3.32	1.86	2.13	3.96	2.37	3.85	2.28	1.30	2.17	9.60
December ...	3.18	4.69	2.58	1.97	6.77	7.69	2.50	1.95	5.75	4.11	14.31
TOTALS ...	31.10	26.92	41.15	27.89	33.13	33.43	34.09	27.96	34.72	31.11	127.88

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church,	Distance.	Direction.

RAINFALL at Harewood HouseCounty of W.R. YorkshireObserver Countess of HarewoodRiver Basin Ouse & Wharfe 10

Rain Gauge, by

Diameter ...	5										
Height	0.10										
Altitude	300										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	2.83	1.08	4.85	3.27	1.93	3.47	1.53	1.93	2.29	4.30	
February	2.43	1.81	2.31	.83	1.59	3.75	4.28	.20	2.92	2.22	
March66	1.43	3.57	3.19	3.02	1.07	4.76	2.23	1.35	4.93	
April	2.41	1.09	.25	3.05	1.33	1.11	1.54	1.55	.48	2.14	
May	2.36	.81	3.65	2.22	1.13	1.59	2.84	2.41	3.27	1.03	
June	2.44	3.43	4.85	1.60	1.74	1.08	1.88	1.64	.87	1.85	
July	3.43	.44	4.55	.69	4.05	4.04	1.75	.69	4.17	3.00	
August	3.80	2.00	5.72	1.33	2.56	3.80	2.27	6.06	2.61	2.55	
September20	3.09	1.71	1.22	1.39	1.02	1.92	1.08	7.53	1.54	
October	3.26	2.83	2.78	3.77	2.41	1.61	5.37	4.20	1.76	3.99	
November	3.95	3.24	1.70	1.98	3.66	2.16	3.83	2.59	1.21	2.51	
December	3.18	4.45	2.61	1.23	6.36	7.45	2.60	1.80	6.04	4.82	
TOTALS	30.95	25.70	38.55	24.38	31.17	32.15	34.37	26.38	34.80	33.68	

1912 Vining

44

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53° 22'	1° 30' 31"	Arthington	3 1/2 4 1/4 m	W	Harewood	2 1/2 1 3/4 m	N

RAINFALL at Adel Eccep East

County of W. R. Yorkshire Observer G. G. Hengell Esq. C.E.
 River Basin Ouse-Wharfe 10 (1925) H. Shortland Esq. C.E.

Rain Gauge, by _____

Water Works Pump [Leeds]

New Gauge

Diameter ...	8	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS
Height	0.9												
Altitude ...	375												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	3.20	3.67	3.69	1.66	2.03	2.72	3.21	2.71	6.24	1.92	4.72		35.77
February ...	1.64	1.19	3.13	4.82	1.03	4.66	2.67	1.42	2.89	.78	1.14		24.37
March	2.16	1.44	1.84	1.58	1.28	1.12	1.24	2.28	3.57	.37	2.96		19.84
April	4.07	1.43	2.82	2.17	2.18	3.94	1.45	2.36	.94	1.35	3.09		25.80
May	2.62	1.36	.82	2.83	4.86	4.31	2.90	2.08	2.54	1.60	1.89		27.81
June	2.33	1.13	1.56	.85	2.54	.20	3.88	2.83	4.86	1.19	1.79		22.16
July	6.51	.89	4.77	3.90	4.13	1.00	2.53	1.24	.79	2.54	5.68		38.98
August	1.76	4.16	4.56	2.86	3.14	2.71	3.08	8.00	4.71	2.17	3.41		40.56
September...	1.15	.97	2.87	3.07	3.40	3.02	1.50	3.71	.31	.57	4.27		24.90
October.....	1.95	1.94	.97	2.80	3.37	3.81	3.20	2.58	4.92	3.18	3.10		31.82
November...	1.53	2.78	1.32	2.79	3.16	2.76	5.35	3.41	4.26	4.32	4.00		35.68
December...	2.81	3.44	3.73	3.43	3.02	3.68	1.18	2.51	1.48	6.26	2.73		34.27
TOTALS...	31.73	22.40	32.08	32.76	34.14	33.93	32.25	40.13	37.51	26.25	38.78		364.96

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

RAINFALL at Adel Escarp South

County of W. R. Yorkshire

Observer C. G. Hengell Esq. C.E.

River Basin Ouse Wharfe 10

(1925) H. Shortland Esq. C.E.

Rain Gauge, by _____

Old Gauge

Diameter ...	8									MEANS.
Height	0 9									
Altitude ...	390									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	3.24	4.05	3.50							
February ...	1.62	2.0	3.25	#						
March	2.12	1.60								
April	4.87	1.38								
May	3.15	1.41								
June	2.43	1.0								
July	6.65	.87								
August	1.71	4.21								
September...	1.21	1.04								
October.....	1.93	2.02								
November...	1.52	2.76								
December...	2.75	3.58								
TOTALS...	33.20	23.22	Imp.							

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

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

RAINFALL at Harewood HouseCounty of W. R. YorkshireDowagerObserver, Countess of HarewoodRiver Basin Base-Wharfe 10Howard. Rain Gauge, by

(1929) Snowdon.

Diameter ...	5"	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
Height	0 . 10											
Altitude ...	300											
January ...	4.66	4.64	3.13	1.81	2.27	2.67	3.81	2.81	7.64	2.51	5.10	
February ...	1.60	1.7	2.50	4.56	1.90	4.95	2.79	1.09	5.10	.76	1.94	
March	2.87	1.46	1.96	1.74	1.91	1.78	1.18	2.57	5.60	.36	3.26	
April.....	3.37	1.65	3.36	1.91	2.29	3.86	1.16	2.10	.82	1.19	3.22	
May	2.50	1.32	.76	2.80	3.99	4.34	2.93	1.72	2.62	1.55	1.61	
June	2.02	2.24	1.59	.73	2.45	.06	4.19	3.00	5.35	.93	1.89	
July	6.86	.99	4.99	4.22	4.13	.85	2.56	6.61	.70	2.35	5.83	
August	2.13	4.57	5.11	3.00	2.77	2.44	3.35	8.24	4.36	2.02	3.49	
September...	1.32	1.06	3.57	3.46	3.18	4.08	1.68	3.87	.33	.68	3.98	
October.....	2.29	2.09	1.13	3.26	3.40	4.04	3.78	2.56	5.69	3.34	3.07	
November...	1.60	3.40	1.26	2.72	2.89	2.69	6.01	3.60	4.02	4.85	4.44	
December...	2.57	3.29	4.32	4.08	3.33	3.94	1.92	2.94	1.75	7.03	3.25	
TOTALS...	33.79	24.88	33.68	34.29	33.51	34.40	34.36	40.11	39.98	27.57	39.98	
	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

1929 Barden Lodge house roof high. 20 ft away. W.

1929. Vineries 20 ft. high 15 yds. N.

Position of Station on reduced Ordnance Survey } 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
1920	53°22'	1°30'31"	Arthington	3 mi	W	Harewood	1/2 mi	N

RAINFALL at Adel (Eccup, East)

County of West Riding.

Observer H. Shortreed, Esq., CB.

River Basin Ouse- Wharfe- 10.

R.R. Form 1929, G.E. (1929)

Type of Gauge.....

Annual Average 29.3 in. based on 45 years obs. un-weighted. Period of average 1881-1912 Ref. 3

78092/27

Diameter	8.													
Height	0.9.													
Altitude	375.													
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940				
January	2.06	2.17	2.04	2.09	1.29	3.40	2.97	3.11	4.29	2.79	2.79	26.71		
February	2.51	4.42	6.06	4.40	2.64	2.61	4.96	4.38	2.24	2.12	2.12	25.36		
March	.70	1.82	2.13	2.21	.96	2.31	2.52	.22	1.94	2.16	2.16	16.97		
April	3.60	2.75	2.23	3.20	1.80	1.85	2.70	.09	.91	3.35	3.35	22.48		
May	2.94	5.11	2.50	1.33	.92	2.29	2.59	3.69	1.51	.80	.80	23.68		
June	5.02	6.67	1.43	1.97	2.78	4.47	1.85	2.00	2.04	.35	.35	22.58		
July	3.67	5.25	2.42	2.67	.44	2.97	1.99	3.44	5.29	4.89	4.89	31.03		
August	3.66	1.64	0.58	1.32	1.43	1.86	7.3	4.90	1.69	.38	.38	18.19		
September	4.89	2.88	1.70	2.05	5.21	2.67	1.31	2.13	.94	1.75	1.75	25.08		
October	1.17	3.68	3.69	2.29	5.31	2.02	2.41	3.71	1.99	3.33	3.33	29.50		
November	4.99	2.23	2.88	2.19	5.13	2.93	1.84	3.12	3.51	4.26	4.26	33.08		
December	1.47	1.23	0.60	5.43	2.81	2.06	2.67	3.68	1.72	2.43	2.43	24.10		
TOTALS	36.68	27.35	28.16	27.15	30.72	31.94	28.54	31.52	28.09	28.61	28.61	298.76		

Inspected June 1934:- Recommended that gauge should be moved to new site 250 ft N.E. of present position to avoid growing trees.
 Also taller measure and glass bottle for collecting rainfall should be brought into use.
 Recommendation carried out. - see f. - Equ 169 A

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 Harewood House

County of West Riding

Observer Dowager Countess of Harewood,

River Basin Ouse - Wharfe - 10

Type of Gauge Glaisher (Shuttleworth 174)
(6 ft 6 in)

Annual Average 29.7 in. based on 35 years obs un-weighted. Period of average 1881-1915 Ref. S

4624/30

Diameter	5.										
Height	0.10										
Altitude	300.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means-Totals
January	2.30	2.19	1.67	2.16	1.50	4.59	3.78	4.82	5.60	7.48	29.09
February	2.30	1.34	3.67	2.22	3.40	3.42	5.45	1.85	3.06	1.92	25.63
March	.96	1.96	2.25	2.63	1.05	3.14	2.85	.18	2.73	2.16	19.91
April	3.71	3.32	1.58	3.32	1.17	2.04	3.39	.07	1.35	4.31	24.26
May	3.10	5.28	2.87	1.47	1.10	3.16	3.49	3.36	1.83	1.80	26.46
June	5.43	.80	1.66	2.12	2.82	5.09	2.08	2.39	2.00	2.4	24.63
July	3.79	3.76	2.00	1.66	.61	3.53	2.39	4.15	5.88	6.72	34.49
August	3.55	1.80	0.59	1.26	2.13	2.13	.80	5.04	1.87	1.46	19.63
September	6.08	3.08	1.80	1.75	7.01	2.69	1.38	2.76	1.09	2.30	29.74
October	1.09	3.70	3.97	2.07	6.80	2.13	2.82	5.09	2.47	3.88	34.02
November	5.20	2.12	2.87	2.31	7.11	3.58	2.22	4.05	4.95	5.07	39.48
December	1.13	1.26	0.46	6.22	3.46	2.47	2.60	4.24	2.09	3.23	27.15
TOTALS	38.64	29.61	25.38	27.19	38.16	37.97	33.25	38.00	34.92	31.57	334.69
	D	D	D	D	D	D	D	D	D	D	D

Glasshouses 25' high 20' N.
1940 " " 12 yds N.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	Parish Church.	Distance from gauge
1931			Arthington	3 miles	W	Harewood	1 mile

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

Station No. TF 3313

41

RAINFALL at Adel (Except East)

County of West Riding

Observer K. L. Forster Esq., C.E.

River Basin Ouse Wharfe - 1.0

Type of Gauge

Annual Average 29.3 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S

~~X X X X X X X File No. 7809.92/27~~

Diameter	8"	063	515	5"			5"				
Height	0' 9"			1							
Altitude	375'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means
January	4.63	3.77	3.15	3.17	3.34	3.08	2.98	6.18	1.14	1.67	33.71
February	3.43	1.28	.85	1.34	3.18	3.14	4.98	1.74	1.46	5.12	26.57
March	3.76	2.45	.66	.25	.63	1.41	5.51	1.16	1.22	1.01	18.06
April	2.26	1.56	1.49	1.74	1.84	1.86	3.27	2.00	2.73	3.07	21.82
May	1.62	3.06	2.13	1.16	2.92	2.62	4.27	1.12	2.14	1.92	22.96
June	.20	.91	2.16	2.38	2.98	1.71	3.32	3.43	.68	1.16	18.92
July	2.44	2.22	1.21	2.61	1.90	3.72	3.46	1.02	2.50	3.22	24.30
August	2.01	3.27	3.01	2.72	2.51	4.60	3.36	4.45	2.13	5.87	31.23
September	.48	1.98	3.16	4.12	1.89	4.27	1.40	.96	1.18	3.08	22.52
October	3.06	2.59	1.51	2.74	3.94	1.13	1.19	1.10	3.80	1.62	22.18
November	2.71	1.33	1.93	4.03	.46	5.70	2.20	1.08	4.77	4.62	28.89
December	.68	1.74	1.33	3.75	1.95	2.87	2.76	2.69	3.73	2.17	23.67
TOTALS	28.14	26.16	23.19	30.01	27.54	36.11	35.70	26.98	26.98	34.02	294.83

New 5" gauge installed 4.12.44

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	Parish Church.	Distance from gauge	Direction

Station No. 3315

41

RAINFALL at Harewood House.

County of Yorks W.R. Observer D. M. G. G. of Harewood
 River Basin. Onse. Harewood. Earl of Harewood
 Type of Gauge. Howard

Annual Average 29.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 4624/30

Diameter	5"	063	554								
Height	6' 10"		1								
Altitude	300'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.72	2.82	3.86	3.31	2.59	2.63	2.17	6.45	.93	1.40	29.88
February	3.75	1.00	1.10	1.19	3.08	3.36	(3.50)	1.64	1.32	4.43	24.37
March	4.33	2.97	.84	.37	.43	1.51	5.52	.98	.81	1.19	18.05
April	2.83	1.44	1.54	2.00	1.66	1.92	2.78	2.03	2.40	2.85	21.15
May	1.93	3.20	2.33	.99	2.36	2.53	3.22	1.02	1.94	1.74	21.26
June	.20	1.14	1.96	2.13	2.81	1.71	3.51	3.67	.64	1.18	19.01
July	2.49	2.23	1.14	3.00	2.63	3.90	3.37	1.05	2.38	2.82	24.71
August	2.81	3.00	3.02	3.60	2.82	4.22	4.44	4.96	1.91	5.05	31.83
September	.44	1.91	3.03	5.32	1.96	4.12	1.46	.86	1.14	2.85	23.12
October	3.79	2.24	1.63	2.91	3.96	1.11	1.39	1.10	3.34	1.52	22.99
November	3.18	1.22	2.14	4.21	.27	5.76	1.84	1.03	5.25	4.42	29.32
December	.69	1.95	1.45	3.18	1.73	2.49	2.66	2.82	3.80	1.84	22.61
TOTALS	29.86	24.22	24.04	32.27	26.30	35.26	(31.86)	27.61	25.89	20.99	288.20

941 Glasshouse 20' high 25° N. Shed 12' high 14° S. Wood 100' high 100° E.

Gauge moved February 20th 40' N. ~~height of 25.7 after 1961 move~~

1947. Feb. extra for snow. Garden wall 15' high 100° W. Glass house 15' high 20° N. Garden walls have 15° S.

20004

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	Parish Church.	Distance from gauge	Direction
1941			Arthington	3 1/2 mb.	W.	Harewood	1 mb.	N.E.

RAINFALL at Adel (Except East)

County of West Riding - Yorks.

Observer

H. D. Forster Esq. C.E.

River Basin. Ouse. Wharfe - 10

M.O.

Type of Gauge.

Annual Average 29.3 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 32.21 " 13 " 1942-57 " " 1916-52 Ref. S E23380/58
 File No. 7802927

Diameter ...	5"		063	515							
Height ...	0' 9"			1						1' 0"	
Altitude ...	375'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means-Totals
January ...	2.69	2.57	.57	2.33	2.30	4.60	1.67	2.43	2.93	5.42	27.51
February ...	3.32	.51	2.01	2.92	2.36	1.76	3.02	4.95	1.12	2.25	32.22
March ...	3.52	2.10	.61	1.89	2.50	1.08	1.97	2.07	1.53	2.40	19.73
April ...	1.27	1.16	2.55	.19	.89	2.65	.25	.61	4.04	1.04	14.65
May ...	6.26	2.02	1.71	3.64	3.06	.78	1.49	3.54	1.01	0.90	24.41
June73	2.05	1.92	1.87	1.64	2.82	1.60	3.76	1.48	1.11	18.98
July ...	3.08	1.05	3.14	1.43	.95	3.88	5.06	4.46	1.85	5.45	30.35
August ...	5.63	2.72	3.38	7.01	1.01	6.09	4.63	2.73	1.14	3.40	37.74
September ...	2.56	3.57	2.02	2.59	1.44	3.53	4.21	3.05	.21	3.61	26.79
October ...	1.20	4.08	2.02	4.40	2.17	1.56	2.39	1.83	2.55	5.37	27.57
November ...	7.01	1.65	3.01	5.10	2.81	.62	1.91	.57	3.89	5.47	32.04
December ...	3.05	2.39	1.53	3.18	4.16	3.14	3.48	4.27	4.81	2.85	32.86
TOTALS ...	40.32	25.87	24.47	36.55	25.29	32.51	31.68	34.27	25.56	39.33	315.85

High. 511908 f. 80°K. True 50°; 80°SW, 70°E ± 10°ESE. True 0°SW EWSW will over-shoot
etc. Seek in seam of funnel

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE 307418

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

Station No. 3315

51

RAINFALL at Harewood House,

County of West Riding - Yorks.

Observer Earl of Harewood

River Basin. Ouse - Wharf - 10.

Type of Gauge. Howard BP 151

Annual Average 29.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 32.37 " 36 " within 1916-57 " 1916-50 " S
 File No. 4624730

Diameter ...	5"	63	554								
Height ...	0' 10"		1			1' 4"					
Altitude ...	300'		51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.41	2.47	.59	2.31	2.04	3.80	1.14	3.30	2.92	5.54	26.52
February	3.33	0.63	1.73	2.98	1.60	1.50	2.17	4.49	.14	0.64	20.11
March	3.53	2.15	.60	1.56	3.18	.87	2.05	1.84	1.70	1.80	19.28
April	1.49	1.06	2.45	.15	.73	3.25	.25	.65	4.12	1.01	15.16
May	6.07	2.16	1.55	4.23	3.63	.83	1.22	4.33	.92	0.95	25.89
June	.56	2.68	1.84	1.89	1.74	3.25	2.03	4.37	1.26	0.86	20.48
July	2.72	1.15	3.28	1.27	.70	4.17	4.09	3.64	1.67	4.80	27.49
August	5.23	2.69	3.60	6.30	1.09	7.09	5.04	2.44	1.06	3.60	38.14
September	2.36	3.20	1.55	2.30	1.51	3.62	5.15	3.32	.17	3.96	27.14
October	1.33	4.16	2.27	4.29	1.84	1.68	2.17	2.04	2.75	5.73	28.36
November	7.03	1.68	3.07	5.61	3.14	.73	1.69	.97	4.04	6.11	34.07
December	2.68	2.42	1.57	3.21	3.03	3.23	3.29	4.11	5.26	2.63	31.43
TOTALS ...	38.74	26.35	24.10	36.10	24.33	34.02	31.89	35.50	26.01	37.63	314.07
	D	D	d	d	d	d	D	D	D	d	

1951. glasshouses 15' high 10° N. West 90° high 50° N.E. walls 10' high 50° W.S.E.
 1956. Glasshouses 20' at 20° N., lake at 100° E, long grass 80' at 200° W.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE 644 308442

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Attingham	4m. W.	Harewood	1m. NE.

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19 183	1920-30 183	1931-40 183	1941-50 183	1951-60
		✓	✓	✓ ↓ about 37	✓ ↓ about 41-43	