Heaton
Bolton le Moors
Henry Baylis Esq.

+ Ground 0.0. + Sea level 300 ft.

Year - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	Means.
January - -										2·50	
February - -										2·80	
March - - -										4·50	
April - - - -										3·80	
May - - - -										·30	
June - - - -										3·10	
July - - - -										1·70	
August - - -										7·10	
September -										5·70	
October - -										3·80	
November -										2·60	
December -										3·30	
Totals -										41·20	

Heaton

Henry Baylis Esq.

Engineer to Corp.ⁿ W.W.

+ Ground 0·0 + See level 500 feet

Year	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Means.
January	4.00	.70	2.80	4.60	2.60	2.80	4.60	4.10	2.90	2.50	3.160
February	1.30	2.90	1.70	1.40	3.10	3.60	4.70	3.30	2.80	4.80	2.960
March	3.20	5.20	3.80	1.90	2.50	2.30	2.60	1.70	6.10	1.40	3.070
April	1.60	2.70	3.80	1.80	2.20	1.80	.80	5.30	2.20	2.90	2.510 −
May	3.70	1.40	4.70	3.20	3.00	4.00	2.10	2.30	1.70	3.30	2.940
June	7.50	2.60	4.10	5.20	3.90	.90	4.80	1.50	.80	2.10	3.340
July	1.90	4.70	3.80	2.30	2.00	2.40	5.10	7.10	.90	1.30	3.150
August	6.70	3.50	4.20	5.80	3.20	6.40	5.40	1.50	4.40	3.60	4.470
September	3.20	6.40	5.10	7.10	4.90	.60	9.30	4.20	2.30	8.70	5.180 +
October	5.10	1.00	6.10	6.40	2.90	5.70	3.40	5.80	7.00	5.10	4.940
November	2.90	5.20	2.30	5.10	4.40	3.50	6.00	1.70	3.30	5.50	4.070
December	3.00	2.70	4.80	3.70	2.60	1.50	5.70	5.90	9.50	4.00	4.420
Totals	44.90	39.90	47.20	48.50	37.30	38.50	55.30	44.40	43.90	45.20	44.210
	E	E	E	C	E	−C	+	C	C	C	

59 = 41.20

RAINFALL AT Heaton

J. S. Holdsworth W. Bolton

Rain Gauge { By ..... Diameter 10 in. Height above Ground, 3 ft. 6 in. Above Mean Sea Level, 49 ft.

Year								1867	1868	1869	Means.
January								4.24	3.37	2.88	
February								3.44	2.46	4.62	
March								1.63	5.43	1.42	
April								5.12	2.29	3.06	
May								2.86	1.36	3.61	
June								1.37	.57	1.94	
July								7.09	1.05	1.30	
August								1.66	4.48	2.99	
September								4.11	2.30	8.71	
October								5.92	6.99	4.91	
November								1.43	3.34	5.29	
December								6.01	9.15	4.34	
Totals								44.88	42.79	45.07	
								C	C	C	

In an open Garden, no buildings or trees nearer than 24 yards.

1868 Did unusually wet, same number of rainy days as in 1867 – 194

RAINFALL AT Bolton Heaton

Lat..... Lon..... County of Lancashire

..... Rain Gauge, by..... Observer J. Wrigley ~~H. Ray & Co.~~ Ewan Dickhurst

Diameter	10	.	6				.		.	.	
Height	0 · 0	.	1 ·	1 · 3			.		.	.	
Altitude	800 ·	.					.		.	.	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	3·60	1·60	5·40	5·10	4·40	4·50	2·50	5·60	4·00	1·80	3·830
February	1·30	3·30	3·30	1·50	1·60	1·00	4·10	6·50	1·20	3·80	2·760
March	3·20	1·60	5·40	3·90	3·90	1·00	3·40	3·30	2·00	1·90	2·960
April	2·40	3·80	2·80	·90	1·30	·90	2·80	2·20	2·10	2·20	2·140
May	1·60	2·20	2·80	2·70	1·60	2·20	1·00	3·60	3·80	1·90	2·340
June	3·20	3·40	6·40	2·60	·90	4·00	3·60	2·50	3·10	5·30	3·500
July	1·30	5·60	5·50	5·70	4·10	6·00	2·60	7·60	1·70	6·20	4·630
August	2·50	1·90	3·80	6·20	6·40	2·90	5·10	5·40	6·10	7·00	4·730
September	3·30	5·30	8·50	3·10	4·50	5·50	4·90	3·10	5·50	2·80	4·630
October	11·10	6·20	6·50	5·80	6·20	6·40	3·40	5·30	5·10	3·10	5·910
November	4·20	1·90	4·30	3·70	6·70	5·40	4·10	6·80	2·30	1·20	4·010
December	3·40	3·60	4·80	1·60	4·00	1·60	6·60	5·70	3·20	2·00	3·650
TOTALS	41·10	40·40	59·50	42·80	45·60	41·20	44·10	57·10	40·10	39·20	45·110

RAINFALL AT Bolton Heaton

Lat..... Lon..... County of Lancashire

.....Rain Gauge, by..... Observer James Holdsworth Esq

Diameter	·10	·					·		·	·	
Height	3·6	·					·		·	·	
Altitude	497	·					·		·	·	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	3·67	1·53	5·29	4·74	3·78	4·60	2·13	6·65	4·32	1·74	3·846
February	1·23	3·92	4·09	1·23	1·79	1·07	4·39	5·96	1·84	3·24	2·876
March	3·42	1·99	4·60	3·82	4·20	·77	3·57	3·86	2·43	1·73	3·039
April	2·28	3·81	2·52	1·16	1·25	·98	2·75	2·36	2·09	2·52	2·172
May	1·66	2·25	2·55	2·09	1·83	2·36	·99	3·98	5·75	2·30	2·576
June	2·94	3·48	6·44	2·79	1·73	4·69	4·54	2·35	3·64	6·51	3·901
July	·95	5·42	6·32	5·60	3·96	6·34	3·43	7·95	1·76	5·88	4·761
August	2·42	1·90	3·93	5·75	7·08	3·13	5·01	5·92	6·93	7·06	4·913
September	3·46	6·01	8·48	3·03	5·28	6·57	5·80	3·22	6·02	3·32	5·119
October	10·93	5·77	5·81	6·14	5·80	6·31	3·26	5·49	4·61	3·29	5·741
November	4·08	1·87	4·17	3·22	7·03	5·45	4·66	7·77	2·78	1·22	4·227
December	3·59	3·67	4·35	1·58	4·01	1·69	6·45	4·87	3·39	2·99	3·669
TOTALS	40·63	41·62	58·33	41·15	47·76	43·86	46·98	60·38	43·56	41·80	46·829

2847

80

RAINFALL AT Bolton-le-Moors, Halton

Lat. _____ Lon. _____ County of Lancashire

_____ Rain Gauge, by _____ Observer R. H. Swindlehurst, Esq. C.E.

Mersey: Irwell 3

Diameter	6										
Height	1.3										
Altitude	500										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.50	1.10	3.50	6.20	3.90	2.60	5.40	2.00	1.90	1.60	2.970
February	2.60	6.40	2.40	2.60	3.20	3.60	1.00	1.20	1.00	2.60	2.650
March	2.10	4.20	3.40	1.10	2.30	2.00	3.10	1.80	3.00	1.90	2.490
April	2.00	1.50	5.00	2.00	1.10	1.80	1.80	1.20	2.00	2.40	2.080
May	2.30	3.60	2.10	.80	1.80	1.90	4.40	2.40	.60	3.60	2.370
June	3.30	2.30	6.30	4.20	.70	4.70	2.80	1.00	2.40	.60	2.830
July	4.70	5.30	5.50	3.60	4.70	2.00	3.90	1.20	7.40	3.60	4.190
August	2.60	5.60	4.30	3.30	1.40	1.80	2.30	1.60	4.10	7.00	3.400
September	6.00	2.30	2.10	6.90	4.40	5.60	4.20	4.80	1.60	4.30	4.220
October	2.60	3.70	4.20	5.70	2.20	6.30	5.70	2.20	2.00	3.10	3.770
November	4.40	4.60	6.80	4.30	1.30	4.10	3.20	1.80	6.30	1.90	3.870
December	7.70	5.80	3.90	3.60	4.80	2.20	5.00	2.90	2.50	3.50	4.190
TOTALS	41.80	46.60	49.50	44.20	31.80	38.60	42.80	24.10	34.80	36.10	39.030

RAINFALL AT Bolton-le-Moors, Heaton

Lat. _____ Lon. _____ County of Lancashire

_____ Rain Gauge, by _____ Observer J. S. Holdsworth, Esq.

Mersey - Irwell 3

Diameter	10										
Height	3·6										
Altitude	499 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	·75	1·08	3·79	5·84	4·89	2·55	5·79	2·63	2·36	1·75	3·143
February	2·51	6·78	2·38	2·83	2·93	3·74	1·57	·98	1·32	2·83	2·787
March	2·83	5·06	3·62	1·12	3·04	2·83	2·67	2·20	3·31	2·85	2·953
April	1·94	1·88	5·33	2·25	1·13	1·45	1·96	1·23	1·99	2·76	2·192
May	2·58	4·18	2·89	·79	1·87	2·22	5·84	2·76	·71	3·73	2·757
June	4·01	2·64	6·98	4·62	1·05	4·17	2·32	1·06	2·72	·71	3·028
July	5·61	5·62	6·36	3·46	4·99	2·30	4·28	1·40	7·70	4·12	4·584
August	2·92	6·34	5·06	3·40	2·10	2·15	2·75	2·35	4·27	7·67	3·901
September	5·86	2·47	2·40	7·13	4·65	6·03	4·78	4·91	1·79	4·69	4·471
October	3·30	4·19	4·11	5·95	2·73	7·16	6·10	2·74	2·31	3·56	4·215
November	4·51	4·89	6·86	5·24	2·10	3·71	3·62	1·63	6·24	2·17	4·097
December	7·84	5·80	4·61	3·93	5·01	2·89	5·44	3·27	2·50	4·13	4·542
TOTALS	44·66	50·93	54·39	46·36	36·49	44·20	47·12	27·16	37·22	40·97	42·670

1880 Dean 1½ miles SE

2847

RAINFALL AT Bolton-le-Moors Heaton

Lat. ..... Lon. ..... County of Lancashire

Rain Gauge, by ..... Observer R. H. Swindlehurst Esq. C.E.

Mersey - Irwell 3

Diameter	6										
Height	1 3										
Altitude	500										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.40	2.00	3.80	1.60	2.50						
February	.50	.20	3.10	4.80	5.10						
March	3.50	1.40	.90	1.30	3.20						
April.....	1.30	1.60	1.60	40	1.90						
May	2.20	2.80	3.30	1.70	3.30						
June	3.10	2.40	3.90	1.70	3.80						
July	3.40	2.70	3.30	3.20	4.70						
August	5.00	7.10	4.30	3.60	5.60						
September....	1.80	3.70	4.30	5.20	.60						
October.....	3.60	4.40	6.90	3.80	3.50						
November....	8.50	3.80	2.90	3.60	2.70						
December	.70	6.70	3.30	4.30	4.10						
TOTALS ...	38.30	38.80	41.60	35.20	41.00						

RAINFALL AT Bolton Heaton

Lat. ..... Lon. ..... County of Lancashire

Snowdon Rain Gauge, by ..... Observer R. T. Swindlehurst Esq. C.E.

Mersey Irwell 3

Diameter			5								
Height			1.-								
Altitude			500								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.40	2.00	3.80	1.93	2.93	4.27	1.91	2.07	2.97	5.36	3.164
February	.50	.20	3.10	4.90	5.26	.51	2.14	3.58	3.25	1.46	2.490
March	2.50	1.40	# 1.00	1.42	3.50	4.23	7.02	3.35	2.87	2.35	3.064
April	1.30	1.60	1.79	.51	2.20	2.12	2.47	2.81	2.12	4.57	2.149
May	2.20	2.80	3.60	1.85	3.77	1.25	.96	2.54	3.73	3.11	2.581
June	3.10	2.40	4.27	1.98	4.12	2.93	2.67	5.04	3.76	1.49	3.176
July	3.40	2.70	3.53	3.54	5.01	5.10	3.27	1.66	1.40	3.88	3.249
August	5.00	7.10	4.78	3.99	6.01	4.82	3.01	5.11	6.34	1.64	4.780
September....	1.80	3.70	4.76	5.60	.71	2.10	8.92	4.80	1.45	7.23	4.107
October.....	3.60	1.40	6.95	4.11	3.83	4.41	4.89	2.76	4.06	3.75	4.276
November....	8.80	3.80	3.09	3.87	3.20	3.29	1.64	3.25	3.75	2.37	3.706
December	.70	6.70	3.62	4.70	4.61	4.88	6.07	5.98	4.76	3.47	4.549
TOTALS	28.20	28.80	44.20	38.40	45.15	39.91	44.97	42.95	40.46	40.68	(41.39)

old g.

Missing period made up from old gauge

RAINFALL AT Bolton-le-Moors Heaton

Lat. ..... Lon. ..... County of Lancashire

..... Rain Gauge, by ..... Observer J. S. Holdsworth Esq

Mersey - Irwell 3

Diameter	10										
Height	3 6										
Altitude	497 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.36	2.55									
February	.61	.32									
March	3.73	1.64									
April	1.51	2.58									
May	2.43	2.94									
June	4.26	2.92									
July	3.39	3.05									
August	5.62	8.47									
September....	2.69	3.90									
October.....	3.99	4.93									
November....	8.90	4.15									
December	.65	6.98 #									
TOTALS . ..	43.14	44.43									

RAINFALL AT Bolton, Heaton

Lat. _____ Lon. _____ County of S Lancashire

Rain Gauge, by _____ Observer R H Swindlehurst Esq C/ the late

Jewell 3 Monthly

Diameter ...									5		
Height									10		
Altitude ...									500		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...									3·64		
February ...									4·30		
March									3·32		
April									2·50		
May									3·00		
June.....									2·39		
July									5·11		
August									3·70		
September ..									4·63		
October ...									2·07		
November ..									3·58		
December ...									2·96		
TOTALS ...									41·21		

2847

RAINFALL AT Bolton Heaton

Lat. ..... Lon. ..... County of Lancashire, South

Smeaton Rain Gauge, by Lancaster ..... Observer R. H. Windlehurst Esq. C.E. Hon
Lewis Mitchell Esq. C.E.

Jewell 3

Diameter ..	5										
Height	1 3										
Altitude ..	500	520				500					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5·88	3·24	4·36	2·91	3·79	2·23	6·34	2·41	3·81	2·55	3·752
February ..	3·45	2·04	1·98	3·94	3·81	2·92	4·43	2·30	4·32	1·88	3·107
March	·94	3·00	2·90	4·28	2·35	3·84	3·49	4·11	3·66	3·79	3·236
April	2·60	3·16	2·53	2·08	2·59	3·88	2·46	2·44	2·46	3·97	2·817
May	2·04	1·17	4·48	3·98	2·75	·80	4·05	4·44	3·49	3·38	3·058
June	2·64	2·27	1·96	1·98	1·55	2·57	2·20	8·07	2·67	3·25	2·916
July	2·48	2·14	4·13	3·84	2·04	2·63	2·10	4·13	5·59	7·07	3·615
August	6·14	3·00	3·26	5·93	4·75	5·20	5·59	5·46	3·88	3·89	4·675
September ..	2·55	1·16	2·36	5·78	1·64	3·23	2·27	1·38	4·93	3·11	2·841
October	6·92	3·91	5·54	9·50	2·97	4·96	7·14	3·94	2·23	6·36	5·357
November ..	4·10	4·67	2·57	5·25	3·87	4·65	3·79	3·52	3·68	1·96	3·806
December ..	5·48	4·77	3·26	2·20	3·54	·97	5·84	4·26	3·47	7·56	4·135
TOTALS ..	45·22	34·53	39·33	51·67	35·65	37·88	49·70	46·46	44·24	48·47	493·15

1966 Christchurch Sh 500 Yards NW

RAINFALL at Bolton Heaton Reservoir

County of South Lancashire Observer Lewis Mitchell Esq C.E.

River Basin Mersey-Irwell 3 1919 J. H. Swales Esq C.E.

Snowdon Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	500										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1915-19 ~~MEANS.~~ TOTALS
January ...	5.64	1.45	4.10	4.83	3.05	5.99	3.32	3.40	3.43	4.96	15.11
February ...	3.99	4.26	1.83	1.50	2.01	3.97	4.80	1.58	4.44	1.09	11.41
March	1.00	1.73	6.69	4.46	4.93	2.22	1.72	2.56	1.84	7.39	13.51
April	4.16	3.54	.82	5.08	1.44	2.18	4.21	2.21	1.17	2.97	10.56
May	3.83	1.59	2.76	3.42	2.79	2.05	2.49	2.19	2.85	1.73	9.26
June	3.92	2.38	5.42	2.89	2.08	2.83	3.69	2.17	2.31	2.54	10.71
July	5.10	.40	5.21	1.44	5.97	4.69	3.01	2.65	3.96	2.11	11.73
August	6.35	3.07	8.82	3.45	3.26	6.01	8.77	7.13	4.23	4.45	19.58
September ..	.65	4.34	2.08	2.01	4.60	1.34	3.74	2.51	12.06	2.16	20.47
October ...	3.66	2.90	5.27	2.30	2.74	2.21	7.53	8.57	4.72	3.39	24.21
November ..	7.40	3.84	3.40	4.66	5.68	1.82	2.66	5.85	3.04	3.92	15.47
December ...	3.87	7.40	4.13	3.04	6.05	8.55	2.90	2.74	9.72	7.19	22.55
TOTALS ...	49.57 D	37.90 D	51.53 D	39.08 D	44.60 D	43.86 D	43.34 D	43.56 D	53.77 D	43.90 D	184.57

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.34.55 N	2.25.21.45	Heaton					
1919.			Lostock Junction Bolton	1½ mi	S.W	Christ Ch. Heaton	¼ mi	S.

Form B.R. H. 20.

2847/20

RAINFALL at Bolton Heaton Reservoir

County of S. Lancashire — Observer J. H. Swales Esq. C.E.

River Basin Mersey - Irwell 3 — Bolton W.W. Engr.

1932 J.P. Ainsworth A.M.I.C.E.

Snowdon Rain Gauge, by Casella M.O. (1210)

Diameter ...	5"										
Height	1 0										
Altitude ...	500										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 ~~MEANS~~.	Totals.
January ...	3.94	7.27	4.92	5.09	3.91	3.06	4.98	5.53	10.75	2.44	5.22	57.11
February ...	3.65	.52	5.13	6.25	1.83	6.88	4.43	2.34	5.08	1.47	.34	37.92
March	3.95	3.32	3.27	2.12	2.05	2.43	2.31	6.32	2.47	1.58	3.23	33.05
April	5.70	2.40	2.60	3.49	2.21	2.44	1.68	3.00	1.17	1.47	2.55	28.71
May	7.32	2.82	2.07	4.15	6.27	4.91	4.50	1.74	1.32	3.04	2.13	40.27
June	2.53	.57	3.20	1.78	2.93	.19	2.41	5.60	6.70	2.25	3.19	31.35
July	7.96	2.11	4.78	5.20	5.15	2.55	3.79	4.04	3.15	3.11	6.99	48.88
August	2.69	6.38	6.26	6.10	8.78	4.96	5.59	6.75	5.93	6.13	7.98	67.55
September...	3.93	1.56	5.20	5.27	5.01	5.44	4.49	7.38	1.03	2.50	3.81	45.62
October.....	1.54	3.35	.61	5.84	5.37	5.00	4.15	4.70	6.17	6.96	6.70	50.39
November...	1.82	3.85	4.27	5.88	2.54	4.09	6.70	4.79	6.75	5.55	6.34	55.58
December...	3.66	6.50	6.24	6.70	4.85	3.30	2.60	1.56	3.54	6.65	4.79	50.39
TOTALS...	48.69	40.65	45.53	57.92	50.90	45.25	47.63	53.75	54.06	46.15	53.27	546.82
	D	D	D	D	D	D	D	D	D	D	D	

IX 28. Inspected by Mr Corless see green file

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 Direction from gauge	Parish Church.	Distance Direction from gauge
1920	53°34'55"	2°28'21"	Lostock Junct. Bolton	1/2 mi SW	Christ Church	1/4 mi S

(1383) Wt. 1671—6044. 10,000. 4/21. J. T. & S. Ltd. 160.

A.M. Form 1356. **Air Ministry, Meteorological Office.** T.F. 2847

31

RAINFALL at Bolton (Heaton Reservoir)

County of South Lancashire Observer Bolton Corpn. W.W.

River Basin Mersey - Irwell - 3

Type of Gauge Snowdon.

Annual Average 43.5 in. based on 37 years obs. ~~unweighted~~. Period of average 1881–1915 Ref. 741918/27.

Diameter	5.										
Height	1.0.										
Altitude	800.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.73	4.86	2.42	3.57	3.30	4.72	3.64	5.32	6.13	2.93	
February	5.59	.13	4.10	.50	5.51	2.37	6.69	1.83	5.11	2.83	
March	.48	2.89	2.86	3.16	1.73	2.67	1.94	2.14	2.63	3.06	
April	3.80	3.55	1.72	2.73	3.60	1.25	4.11	.58	3.22	3.52	
May	2.84	4.80	1.88	3.33	1.63	.97	2.64	5.09	1.74	1.57	
June	6.69	.75	3.96	1.82	5.21	4.31	2.03	4.67	3.70	1.30	
July	4.00	4.80	2.66	2.27	1.91	5.25	2.67	4.69	7.04	5.52	
August	6.82	1.69	2.45	5.19	1.92	2.88	3.02	5.37	2.27	2.50	
September	4.02	5.14	.93	3.59	7.02	5.89	2.11	3.30	1.65	4.39	
October	3.10	8.65	4.94	6.23	9.42	5.07	2.51	10.51	2.91	4.27	
November	7.85	4.01	2.35	2.34	4.82	6.21	2.28	5.43	6.74	7.68	
December	2.53	2.24	.53	6.86	4.25	4.85	2.71	5.89	3.79	5.28	
TOTALS	54.45 D	43.54 D	30.80 D	41.28 D.	50.32 D.	46.44 D	36.35 D	54.82 D	46.93 D	44.85 D	

Total
43.62
34.66
23.56
28.03
26.49
34.64
40.81
34.11
38.06
37.64
49.71
38.62
449.78
44.6

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			Lostock	1m	SW	Heaton	¼ m	S.

(*25057—1386) Wt. 27165—1817 10,000 4/31 T.S. 118

A.M. Form 1603. **Air Ministry, Meteorological Office.**

Station No. T.F. 2847

41

RAINFALL at Bolton (Heaton Reservoir)

County of South Lancashire Observer Bolton Corpn. W.W.

River Basin Mersey & Irwell - 3

Type of Gauge Snowdon

Annual Average 43.5 in. based on 27 years obs. un-weighted. Period of average 1881 - 1915 Ref. S

File No. 44918/27

Diameter	5"			5.62	5.05							
Height	1' 0"				1							
Altitude	500'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.45	4.86	5.73	6.10	3.98	4.90	3.40	10.26	3.45	3.62		Totals. 47.75
February	4.48	2.25	2.90	2.35	5.11	6.42	.70	2.90	2.62	5.33		35.06
March	3.43	3.51	1.18	1.09	1.72	.99	6.06	1.66	3.02	2.46		25.12
April	1.96	1.79	2.87	3.38	2.58	1.37	3.82	2.22	3.56	3.86		27.41
May	2.52	4.22	3.19	3.08	4.23	1.21	3.35	1.97	4.77	1.83		30.37
June	.49	.84	4.33	4.02	5.26	3.97	2.93	5.84	1.13	2.57		31.38
July	2.91	5.30	3.02	3.99	4.11	4.46	3.20	3.37	3.00	4.09		37.45
August	7.46	4.85	6.60	3.35	2.85	6.44	.38	5.74	4.64	7.59		49.90
September	1.21	3.18	4.93	6.06	3.05	8.81	3.23	3.74	2.07	7.95		64.23
October	5.19	7.76	3.56	5.85	6.95	1.35	1.11	3.59	4.56	3.28		43.20
November	3.14	1.22	4.67	7.64	.79	6.94	5.18	2.57	6.68	6.44		45.27
December	2.96	4.64	2.56	4.53	3.14	4.53	3.89	4.51	6.58	4.21		41.55
TOTALS	37.20 D	44.42 D	45.54 D	51.44 D	43.77 D	51.39 D	37.25 D	48.37 D	46.08 D	53.23 D		458.69

Dec. 1947 Engineer states weight lost in funnel, now repaired

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.
1941			Lostock J'nctn	1 m.	S.W.	Heaton	1/4 m.	S.

BRITISH RAINFALL ORGANIZATION

(4486-50) Wt. 47525-4471 12,000 2/40 T.S. 700

A.M. Form 1903. **Air Ministry, Meteorological Office.**

Station No. 22847 TF. 36

51

RAINFALL at Bolton (Heaton Reservoir)

County of S. Lancashire Observer Corporation Waterworks (1955) ~~Bolton Corpn. Wtr. W.~~

River Basin Mersey - Irwell - 3

Type of Gauge Snowdon Nov. M.O. 5". 31/10/53

Annual Average 43.25in. based on 37 years obs. un-weighted. Period of average 1881-1915, 1916-1950 Ref. S P

46.85 " " 35 " " 1916-1950 File No. 741918/27

Diameter ...	5"			562	505					
Height ...	1' 0"		1' 5"		1'	1' 0"				
Altitude ...	500'				51					
Year ...	1951	1952	1953	1954	1955.	1956	1957	1958	1959	1960	Means 1946
January ...	4.65	4.50	2.59	4.82	3.15	6.00	3.65	7.18	3.10	6.22	42.86
February ...	2.90	1.52	1.99	3.95	2.82	1.14	2.84	7.70	.83	3.01	28.70
March ...	5.83	2.60	2.38	3.00	2.21	2.11	3.75	2.15	1.93	1.67	27.63
April ...	2.55	4.22	3.08	1.27	3.25	3.95	.67	1.79	3.29	2.43	26.50
May ...	3.01	2.44	2.83	2.94	4.42	1.54	1.82	4.65	2.05	2.77	28.47
June ...	1.73	4.34	2.58	4.56	3.54	3.16	2.58	5.78	2.87	1.77	32.91
July ...	3.63	2.83	5.31	7.41	1.12	7.76	6.55	4.92	5.04	8.28	52.85
August ...	5.63	5.05	5.65	6.08	1.49	11.96	7.10	5.26	.50	6.08	54.80
September ...	3.45	4.84	4.90	4.91	4.69	4.44	8.18	5.07	.33	4.02	44.83
October ...	4.34	4.85	2.29	8.61	2.61	3.64	5.84	4.84	4.69	5.15	43.86
November ...	9.26	3.63	4.89	7.26	2.51	2.24	2.23	2.17	4.59	7.66	46.44
December ...	8.65	4.76	2.05	6.98	6.79	4.20	5.49	4.49	7.07	4.79	55.27
TOTALS ...	52.63 D	45.58 D	40.54 D	61.79 D	38.60 D	52.14 D	50.70 D	53.00 D	36.29 D	53.85 D	485.12

Ins. 0.10.53. Diameter of g. big by one in. Measure ready slightly low. Site over exposed to south. New g. measure & comment & to be set with rim 12" above ground. Footty gauge replaced by 5" M.O. Pattern gauge 21/10/53

(3A)

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SD 687096

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1951			Lostock Junction	1m.	S.W.	Heaton	1/4 m	S

Summary of Earlier Records from 10-year Sheets : 1916-1950, P- accepted

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