RAINFALL AT Bollow le Moors, Smithille

Lat.				Lon.		C	nunty of	xau	cas	acre	
		Rain G	auge, by_			Obse	rver A	74.0	Rim	wo	M
Mersey - I	rwell	3									
Diameter	8			6				8			
Height	1.5		1. 2								
Altitude	SIST							5077			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS
January	2.04	1.27	3.95	6.33	5.07	2:44	5 84	278	2.49	2.25	3-44
February										3.22	2.99
March									3-52	2.89	2.91
April									2-38	2.37	2:39
May									.60	3.74	2.81
June	4.02	2.78	7.61	3.25	- 53	4.93	2.83	1.25	2.45	.64	3.02
fuly	5.91	6.54	7.49	3.65	4.68	2 35	414	1.49	8.32	4.51	4.90
August	2.72	6.90	4.76	3.65	2:21	2.22	3.14	2.33	4.25	7.87	4.00
September	6.25	1.83	2.48	7.01	4:22	6:38	4:74	5.29	2.23	5.52	4.59
October	2.97	5.31	3.89	6.32	3.41	7:19	5.14	3.10	3.00	3.64	4.39
November											
December											
Totals	H8.H2	54.17	5831	47.71	36:41	44:90	46:30	29.89	40:32	44.45	45.09

1880. & Pauls' 3/4 mile S.

RAINFALL AT Bolton le Moors Smithills Hall

Lat.				Lon.		Co	unty of	Lan	cash	ire	
						· Obser	ol si	Lan Ha	insw	ort (Sign
Mersey - Ix											1
Diameter	8										
Height	/ 2										
Altitude	507 T				520T	535 T				510	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.75	2.95	4.63	2.12	3.07	3-62	2.23	1-23	3.99	6.16	3 545
February											3.092
March											3.228
April											2 544
May											2.652
Jime											3. 490
July											3.364
August											5.350
September											4.500
October											4.804
November	10.08	4.50	3.58	4.32	3.37	3.65	1.63	5.08	3.53	2.48	4.222
December											4.876
Totals											

1890 St Pauls Hallwell 3/4 Mils

La				Lon						ie No	wh
Irwell	3	Rain	ı Gauge, l	by		Obs	erver. C	A R.	H.a.	nswor	K
Diameter	8										
Height	10										
Altitude	510T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS
January	6.86	3.31	4.50	4.34	3.94	2.78	6.75	2:43	460	3.11	4268
February		2.77							4.86		3.3 9
March		3.96						4.39	3.91	3.88	3:58
April	3.29	3.20	2.55	3.02	2.82	4.23	2.64	2.40	2.92	4.21	312
May	2.04	1.49	4.11	3.80	2.85	.77	3.97	4.41	3.82	3.20	3.07
June	3.53	2-95	1-36	2.13	1.46	2.55	1.77	9.04	2.61	3.21	3.06
July	2.32	2-04	4.37	4.27	1.72	2.64	1.80	3.68	6.32	7.96	3.71.
August September	7.45	3.38	3.24	7.75	4.57	4.92	5.49	5.70	3.63	3.34	494
October	2.71	1.36	2.21	6.42	1.75	3.32	2-22	1.50	4.96	3.30	2:97
November	7.57	4.45	6.87	9.50	3.18	5.10	7.23	3.89	2.39	6.89	5:70
December	5.08				4.45		3.79	424	4.21	2.16	4:25%
December 1.	7.11	5.67	4.36	2.31	3.58	1.07	6.15	4.23	4.07	8.49	470
TOTALS	51.99	1,0,07	1,2.05	58.51	34.50	30.50	50.00	48.46	18.30	52.03	4: 80

1903 Bolton Station 2 miles SE

RAINFALL at Botton Smithells Hall

County of Sould Junahre Observer Col & H. ainsworth
River Basin Mensey Lwell 3

Rain Gauge, by

Height											
	1.2										
Altitude	510 T										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS
January	6.40	1.54	4.68	5.55	3.23	6.60	3.84	3.57	4.35	5.24	
February											
March											
April	4.15	4.05	1.12	5.63	1.52	243	4.76	2.22	1.21	3.37	
May	3.83	1.70	3.09	4.01	3.04	1.84	2.48	2.35	2.71	1.74	
June	3 - 24	3.60	6.01	3.01	2.15	2.17	4.22	2.46	2.23	2.21	
July											
August	6.50	3.15	8.52	3.06	3.31	5.98	4.12	7.89	4.54	5.05	
September	.57	4.10	3.94	2.05	5.19	1.03	4.22	2.67	14.20	2.33	
October	3.35	3.15	5.71	2.47	3.10	2.27	8.17	9.54	5.57	3-28	
November											
December	4.52	8.36	4.75	3.36	6.82	9.87	3.41	2.62	10.59	8.38	
Totals	51.42	41.91	56.12	42.27	48.39	46.61	47.88	47.82	60.57	46.96	1999

+ Imperted

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.36.	2.25.	Bolton	3 m	5	Sileter	2 m	S W

RAINFALL at Pollon Smithills Hall

County	of S. Lancashire

Observer Col. B. H. ainsworth died 23/51/26

River Basin Mersey- Inwell 3

Trigil V. amswork (1925) Slawber Rain Gauge, by P. Lowther (Entate Bould)

Diameter	8										
Height	1 2										
Altitude	510										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MHANST
January	5.14	7.71	4.60	5-99	3.82	3.30	5.15	5.00	11.844	2.44	5.58
February											.51
March											3.22
April								BOOK STREET			2.50
May	7.19	3-14	2.23	4.73.	6.68	4.85	4 35	1.76	1.25	3.31	2.70
June	2.67	.57	3.34	151	3.08	. 09	2 43	5.85	6.59	1.97	2.86
July											6.03
August											8.21
September						A THE PARTY OF THE					145
October											7.73
November	1.94	4-15	4.73	6.44	2.92	4.57	6.74	4.87	7.54	9.39	7.7
December	3.84	6.86	6.58	6.50	5.13	3.45	2.75	1.58	3.68	7.18	476
TOTALS	50.54	42.80	49.75	62.70	52.50	45.89	46.82	55.70	57.23	50.68	55.72
	9	de de	35	D	D	7	D	DI	P	D.	D

1925. Evergreen 7 or 8 H: high, 10 to 12 41. N.W.

Date.	Lat. N. Long. W		Railway Station.	from	Direction gauge	Parish Church.	Distance Direction from gauge	
	53.36"	2.18,	B'allone L	23: mi	58 €	St Peters	3 Ami W	

RAINFALL at Bolton (Smithills Hall)

County of South Lancashire Observer Nigel V. Ains worth, Esq. River Basin Mersey- Irwell-3

Annual Average 46 in based on 35 years obs. un-weighted. Period of average 1881 1915 Ref Born

										6/390	
Diameter	8.			5?		5					
Height	1.2.										
Altitude	510.										
Year	1931	1982	1933	1984	1935	1936	1987	1938	1939	1940	Mean
January	8.81	5.40	3.02	4.01	3.71	5.41					
February	6.75	.09	4:39	51	6.72	2.82					
March	.49	3.27	332	3.80	1.86	8.13					
April											
May	309	5.07	1.96	3,81	1.60	1.09					
June	7.23	.82	3.45	2.27	5.82	4.46					
July				10000							
August											
September	4.33	6.22	1.04	3.80	8-28	6.14					
October	3.30	9.88	5.51	6.89	10:44	5.70					
November	860	4.18	3.21	2.64	5.17	7.15					
December					-		*				
TOTALS	61.38	48.44	3488	4625.	56.01	51.87	N.R.				

Inefection 26/9/33. G. not standard than small hole in framel. New garge recommended to be set up on new lett. 1987 necord destroyed by fine.

1940. Station T. No reply to air. I. Olo. recom. in 1943

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

Date.	Lat. N.	Long.	Railway Station.	Distance from	Distance Direction Parish Church.			Distance Direction from gauge	
1931			Bolton	2m.	S.	3. Paulo	źm.	5	

	Station No. M 2850
RAINFALL at Bolton (&	milkillo Hall)
	Observer The Carparation
River Basin hersey - Irwell . 3	
Type of Gauge	

Annual Average 46 1 in based on 35 years obs. un-weighted. Period of average 1881 1918 Ref 13 57 N

Diameter		562	400	5"							
Height			1	1'							
Altitude			41	510						X	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January		7	6.55	6.56	3.71	5.68	3.87	10.72	3.50	426	
February			3-52	2.86	6.18	7.27	.96	2.91	2.78	5.55	
March			1. 50	.99	1.80	.99	6-76	1.76	2.91	2.64	
April			2-93	3.63	2.68	1.34	3. 68	2.36	3.50	411	
May			3.61	3.72	476	1.42	2.96	2.06	4.54	1.68	
June			7.17		5.87	The second				2.27	
July			3.79	421	3.41	449	3.10	3.02	2.79	4.69	
August			6.96	3.57	3.33	7.74	.23	5.70	4.09	7.94	
September			5.59	6.27	3.23	8.78	3.88	3.48	2.52	8.66	
October			4.37	6.16	6.94	1.28	.90	3.60	4.42	3.55	
November		- 14-	5.08	8.10	.77	7.19	5.85	2.66	6.54	6.95	
December			3.07	5.17	3.67	4.90	3.98	4.73	7.44	3.86	
TOTALS			51:71	55.17	11.60=	55.53	39.91	10.16	11/10	66.16	

1948 Dines T/S purchased 3/48

1 odicion of	1 mile to	1 inch Seri	nce Survey Map, N	o. of Map		Reference No.	
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge		Parish Church.	Distance Direction from gauge.
	77/5	Bolton	2m. S.		S: Panta	± S.	
							1 1

A.M. Form 1903. Air Ministry, Met	teorological Office.
RAINFALL at Bolton &	mithilla Hally 5
County of Lancashire	Observer The Corporation
River Basin Mirsey Chwell 3	
Type of Gauge	Pulls

Diameter	 5"			562	400						
Height	 1' 0"				1						
Altitude	 510	-			51						
Year	 1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	 5-66	5.09	2.66	(4.80)	2.78	6.42	3.59	5-34	3.46	6.92	
February	 3.13	1.88	1.70	3.76	1.54	-81	3.18	8.70	.81	3.34	
March	 5.29		2.22		2.03	1.89	4:15	2-54	1-93	1:141	
April	 2.47	4.25	3.53	1.15	3.49	3.96	-68	1-68	2.49	2.39	
Мау	 294	2.57	292	2.95	4.64	1.57	1.64	4-89	1.77	2.73	
June	 1.39	4.40	3.18	4.80	3.70	3-14	2.85	5-30	2.78	1.73	
July	 3.52	2.87	5.54	8-414	1.22	7.07	6.88	4-60	4.62	8-27	
August	 4.82	4.89	5.24	6.22	1.17	13.52	7.62	2-83	.24	634	
September	 3.38		4.44		4.47	4.44	9.21	5-21	.34	4.10	
October	 1.16	5.12	2.24	886	2.81	3.51	6.73	4.78	5.43	5.46	
November	 9.96	3.30	5.60	7.33.	2.70	2.09	1.96	2-39	5.17	7.86	
December	 8.74	5.37	2.10	7.94	6.59	4.30	6.04	4.82	8.15	5.39	
Totals	 52.46	47:11	40.37	67.23	37.14 d	52.72	5453 D	56-08	37.49	55:94	

Position of Static	on on Ordna	nce One-Inc	ch map: No. o	Map	National Grid Refere	nce
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direct from gauge
	12					
						1 1 1 1
						1.6.

Summary of E	arlier Records from 10	-year Sheets:					
1,375.		1910-19	1920-30	1931-40	1941-50	1951-60	
Record D, or d	The state of the s	V.	V	31-36	43-50		
		/	V	~			