

RAINFALL at Norden Jan KnowlCounty of South LancashireObserver J. S. Diggle Esq. C.E.River Basin Mun. Inwell 3Rain Gauge, by Casella
8085

Diameter ...	5										
Height	1.2					0.10		0.9			
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Average Totals
January ...	2.09	4.05	4.63	4.45	5.04	4.60	3.36	4.09	5.33	17.38	
February ...	6.72	2.37	2.11	3.07	5.71	4.76	1.74	7.31	1.02	14.83	
March	2.75	6.68	5.52	6.69	1.99	2.01	2.58	2.69	5.13	12.41	
April	3.22	1.25	5.30	2.14	2.39	5.73	2.05	1.16	2.77	11.71	
May	2.34	2.62	3.96	3.29	2.08	2.84	2.32	2.99	2.27	10.42	
June	4.39	6.92	3.34	2.54	1.14	3.55	2.45	2.00	2.13	10.13	
July50	4.61	1.21	5.98	5.88	2.84	3.17	4.57	2.33	12.91	
August	2.91	8.23	2.64	4.39	6.29	4.29	7.92	4.39	4.80	21.40	
September ..	4.83	2.26	1.66	4.84	.95	3.25	3.16	13.52	2.78	22.71	
October ...	3.81	5.97	1.99	3.11	1.89	7.44	10.87	5.12	2.68	26.11	
November ..	4.97	4.12	6.38	6.67	1.99	3.03	6.51	3.30	4.45	17.29	
December ...	7.38	6.04	3.76	6.66	8.65	3.38	2.79	11.43	9.24	26.84	
TOTALS ...	45.94	55.12	42.50	53.83	47.03	47.72	48.92	62.57	44.93	204.14	44.11

1913 total 67.2 high 30 gals ✓

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Wardleworth	4 1/2		Norden St Paul	1 1/2	SE

RAINFALL at Norden, Far Knowl FarmCounty of LancashireObserver J. S. Diggle Esq B.C. EnglRiver Basin Mersey-Twivel 3

Haywood & Middleton Water Bd

Rain Gauge, by Casella 8038J. Entwistle (Sec. Manager)

W

Diameter ...	5"								5"			
Height	0.10								0.10			
Altitude ...												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	930. MEANS.	
January ...	5.55	8.93	5.04	5.96	4.22	4.42	6.22	5.70	11.29	2.65	7.31	Totals. 68.29
February ...	4.77	7.1	6.24	5.17	1.39	8.23	5.03	2.61	6.88	1.88	4.0	42.81
March	4.37	4.65	3.97	2.23	2.30	1.96	3.04	5.74	3.63	2.07	2.96	36.82
April	6.27	2.12	2.88	3.59	1.12	2.99	2.14	4.12	1.27	1.52	2.64	30.56
May	6.69	3.41	2.00	4.40	5.34	5.39	5.15	2.54	1.44	3.62	2.20	42.18
June	3.14	4.5	3.59	1.53	2.11	0.7	3.30	5.47	8.43	1.70	2.37	32.16
July	10.00	2.45	5.92	3.59	4.46	2.42	2.86	4.40	2.49	4.25	6.89	49.73
August	3.40	7.48	5.11	7.23	8.70	8.06	5.70	8.16	7.85	7.99	9.34	76.02
September...	3.45	1.97	4.87	6.39	4.82	4.52	4.42	7.20	0.87	2.45	4.89	45.55
October	1.57	3.95	1.03	6.38	6.46	6.33	4.93	5.88	6.79	7.95	7.63	58.80
November...	2.71	3.89	4.47	9.30	3.00	2.23	7.19	5.91	8.53	9.45	7.02	63.40
December...	4.65	8.26	5.82	4.78	6.06	4.02	2.58	1.13	3.82	4.62	3.98	54.72
TOTALS...	56.57	47.97	50.94	58.55	49.98	47.64	52.56	58.86	66.19	54.65	57.13	601.04
	W	W	W	W	W	W	W	W	W	W	W	W

1925. Wall 6 ft. high 40 ft. W.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Handsworth	4 1/4 mi	E	Norden	1 1/4 mi	E

RAINFALL at Norden (Far Knowl Farm)

County of South Lancashire

Observer Heywood Water Board

River Basin Mersey-Itwell-3.

Type of Gauge Smothern Glaisher

Annual Average 47.2 in. based on 21 years obs. un-weighted. Period of average 1891-1915 Ref 2855
815 116/28

Diameter	5.									8	
Height	0.10	1.	0.			1.3					
Altitude											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.46	6.48	2.78	4.32	3.21	4.58	4.43	6.62	5.86	2.94	
February	6.10	2.20	4.11	6.66	8.21	3.28	6.43	2.61	6.22	2.89	
March	8.2	3.22	3.12	2.68	2.27	3.47	2.43	1.90	3.44	3.89	
April	4.17	4.78	2.30	2.37	4.37	1.17	4.07	8.8	2.47	3.10	
May	3.03	5.26	1.62	4.17	1.34	1.04	2.19	3.96	1.76	6.9	
June	6.51	8.6	2.22	3.26	4.03	3.86	2.70	5.59	4.49	1.12	
July	6.06	4.76	3.86	3.40	2.57	5.77	2.95	5.34	7.66	5.61	
August	5.42	1.63	2.55	4.49	2.09	3.76	2.87	4.89	3.47	3.12	
September	3.44	6.77	1.99	4.54	8.89	6.66	2.19	1.60	1.52	6.10	
October	3.02	9.14	5.49	7.37	11.78	7.24	2.04	12.54	2.29	5.37	
November	10.87	3.91	2.45	2.28	5.48	6.56	1.95	6.37	9.24	8.75	
December	3.18	2.59	7.2	7.46	4.97	6.20	4.14	5.83	4.65	6.06	
TOTALS	58.08	49.60	33.21	46.97	59.21	53.59	38.39	58.13	53.07	49.67	
	W.	W	W	W	W.	W	W	W	W	W	

1937. Inspected 17/9/37 f in railings 15' diameter - 6' high - somewhat over-exposed particularly to the E. recommend turf wall
1940 fair part std.

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
			Wardleworth	4		Norden	1	

Station No. 2896

RAINFALL at Norden (Tan Knowl Farm)

41

County of South LancashireObserver Heywood Water BoardRiver Basin Mersey-Lancaster-3Type of Gauge GlasAnnual Average 47.2 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref SFile No. 81515/28

Diameter	5"		561	794		8?	8"					
Height	1'3"			1								
Altitude				61	1000							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	99	6.97	7.06	8.11	4.49	6.26	3.89	11.04	3.27	4.39		Totals 56.47
February	5.10	2.07	4.44	3.11	7.22	7.78	9.5	4.21	4.17	6.12		45.17
March	4.60	3.63	1.65	.86	2.00	1.32	5.85	2.04	2.29	3.13		27.37
April	2.31	2.32	3.63	3.95	2.97	1.76	4.06	2.46	4.96	4.49		33.57
May	3.18	4.53	3.40	3.60	5.05	1.48	2.41	2.05	4.40	2.18		32.28
June	4.9	.83	5.00	3.96	6.45	4.80	3.06	6.76	.55	3.72		35.68
July	3.72	6.36	3.92	4.92	3.68	5.70	4.92	3.35	2.68	6.45		45.70
August	9.12	5.74	9.31	4.31	4.28	9.02	36	5.96	4.74	8.57		61.41
September	1.14	3.32	6.18	6.42	3.91	9.27	3.92	3.96	2.24	9.98		50.37
October	6.50	8.87	4.29	5.80	7.65	1.32	1.12	3.99	6.26	3.28		49.08
November	3.39	1.68	4.46	3.60	92	8.50	8.84	3.02	7.67	7.07		55.15
December	3.82	5.22	2.96	5.39	3.87	4.46	4.99	4.37	9.01	3.83		47.92
TOTALS	44.45	52.20	56.90	60.03	52.49	61.67	44.27	53.21	52.24	63.21		540.17

1941 Stone wall 3' high 40 yds W. of gauge.

1947. Corrected for addition, 7/5/56. ~~40.6~~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.
1941			Wardleworth	4 m.		Norden	1 m.	

BRITISH RAINFALL ORGANIZATION

Station No. 2976RAINFALL at Norden (Far Knowl Farm)

51

County of L. LancashireObserver Shywood & Middleton Mather Rd.River Basin Murray-Swell-3Type of Gauge Glaisher MK Non-ignitionAnnual Average 47 1/2 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. S. P. 61849.4
52.72 " 35 " 1916-1950File No. 815115/28

Diameter ...	8"			561	794						
Height ...	1' 3"				1						
Altitude ...	1000'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.73	5.30	2.53	5.44	2.86						
February ...	3.26	1.59	2.05	4.29	2.12						
March ...	5.51	3.43	2.77	3.38	1.95						
April ...	2.98	4.34	3.83	1.06	3.20						
May ...	1.63	2.28	2.76	3.86	4.94						
June ...	2.24	5.03	3.89	4.67	3.98						
July ...	4.15	3.43	8.66	7.79	1.83						
August ...	5.71	6.30	7.51	7.59	1.13						
September ...	3.97	4.49	5.08	6.54	4.25						
October ...	1.29	5.67	2.34	10.75	2.84						
November ...	9.40	3.20	6.32	6.89	2.67						
December ...	10.09	5.69	2.46	8.51	7.44						
TOTALS ...	56.16 W	50.75 W	50.20 W	70.77 W	34.26 W						

1951 Stone wall 5' high at 40' W

Inspected June 1958 R. & Deeks. Gauge found buried, rest of gauge missing. Measure feet below. Site of SE & E. Best available. Recommend new gauge

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 34/852165

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Wardleworth	4 m.	S.E.	Norden	1 m.	S.E.

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
	C1911 7 17, 18	✓ —	✓ —	✓ —	