

RAINFALL at Norden Far Knowl

County of South Lancashire

Observer.

J.S. Diggle Esq. C.E.

River Basin Mersey, Inwell 3

Rain Gauge, by Casella
S. S.

Diameter ...										
Height	1.2									
Altitude									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
January ...	2.09	4.05	4.63	4.45	8.04	4.60	3.36	4.09	8.33	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	8.13	12.41
April	3.22	1.25	5.30	2.14	2.89	5.73	2.05	1.16	2.77	11.71
May	2.34	2.62	3.96	3.29	2.08	2.94	2.32	2.99	2.27	10.42
June	4.89	6.92	3.34	2.54	1.14	3.55	2.45	2.00	2.13	10.13
July53	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 ...	7.36	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

1913 Wall 6 ft high 30 yards ~

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

RAINFALL at Norden, Far Knowl Farm

County of Lancashire Observer J. S. Diggle Esq B.C. Eng
 River Basin Mersey-Trarrell 3 Heywood & Middleton Water Bd
 Rain Gauge, by Casella 8038 J. Easton (See Manager).

W

Diameter ...	5"									5"	
Height	0 - 10									99"	
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	5.55	3.93	5.04	3.96	4.22	4.42	6.22	5.70	14.29	2.65	7.31
February ...	4.77	7.71	6.24	5.17	1.39	8.23	5.03	2.61	6.88	1.38	4.40
March	4.37	4.65	3.97	2.23	2.30	1.96	3.04	5.74	3.53	2.07	2.96
April.....	6.27	2.12	2.88	3.59	1.12	2.99	2.14	4.12	1.27	1.52	2.54
May	6.69	3.41	2.00	4.40	5.34	5.39	5.15	2.54	1.44	3.62	2.20
June	3.14	1.45	3.59	1.53	2.11	1.07	3.30	5.47	8.43	1.70	2.37
July	10.00	2.45	5.92	3.59	4.46	2.42	2.86	4.40	2.49	4.25	6.89
August	3.40	7.48	5.11	7.23	8.70	8.06	5.70	8.16	7.85	7.99	9.34
September...	3.45	1.97	4.87	6.39	4.82	4.52	4.42	7.20	0.87	2.45	4.89
October.....	1.57	3.95	1.03	6.38	6.46	6.33	4.93	5.88	6.49	7.95	7.53
November...	2.71	3.59	4.47	9.30	3.00	2.23	7.19	5.91	8.53	9.445	7.02
December...	4.65	8.26	5.82	4.78	6.06	4.02	2.58	1.13	3.82	9.62	3.98
TOTALS...	56.57	47.97	50.94	58.53	49.98	47.64	52.56	58.86	66.19	51.65	57.13

1925. Wall 6 ft. high 40° 70° W.

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	Parish Church.	Distance from gauge
1920			Wardleworth	4 1/4 mi	E	Norden	1 1/4 mi E

RAINFALL at Norden (Far Knoll Farm)

County of South Lancashire

Observer Heywood Water Board

River Basin Mersey-Truelwell-3.

Type of Gauge Snowdon Glaisher

472 21

Annual Average 5.5 in. based on 15 years obs un-weighted. Period of average 1881 - 1915 Ref. P. 155

915/16/28.

S

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	6.6	8.21	3.28	6.43	2.61	6.22	2.89	
March	.82	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	.88	2.47	3.10	
May	3.03	5.26	1.62	4.17	1.34	1.04	2.19	3.96	1.76	.69	
June	6.51	.86	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	38.89	58.13	53.07	49.67	
	w	w	w	w	w	w	w	w	w	w	

1937. Inspected 17/9/37 g in railings 15' diameter & 6' high - somewhat over-exposed particularly to the E. Recommend turf wall
 1940 June part std.

Position of Station on reduced Ordnance Survey Map, }				Reference No.....			
Date.	Lat. N.	Long.	Railway Station,	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
			Haworth	4		Norden	1

Station No. 2896

RAINFALL at Norden (Star Knave Farm)

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County of South Lancashire

Observer

Heywood Water Board
Middleton

River Basin Mersey - Lowell - 3

1950

Type of Gauge Glais

Annual Average 47.2 in. based on 21 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 81515/28

Diameter	5"	561	794	8?	8"						
Height	1'3"		1								
Altitude		41	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	.95	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	2.34	2.92	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	.49	.89	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	6.65	45.70
August	9.12	5.74	9.31	4.31	4.28	9.02	3.36	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	9.2	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	44.21	53.21	52.24	63.21	540.17
	W	W	W	W	W	W	W	W	W	W	

1941 stone wall 5' high 60 yds W. of gauge.

1947 corrected for addition, 7/5/56. Hots

Position of Station on reduced Ordnance Survey Map, }			No. of Map.....	Reference No.....				
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1941			Wardensorth	4 m.		Norden	1 m.	

Station No. 2476

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RAINFALL at Norden (Far Knaw Farm)

County of Lancashire

Observer Heywood & Middleton Water Ltd.

River Basin Mursy - Swell - 3

Type of Gauge Glascier 1/16 in. spout

Annual Average 47 1/2 in. based on 31 years obs. un-weighted. Period of average 1881-1915 Ref. S. P. 618
 49.4 17 1916-1950 P
 52.72 " 35 " 1916-1950 File No. 815116725

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	3.47	4.49	5.08	6.54	4.25						
October	1.29	5.67	2.34	10.75	2.84						
November	9.60	3.20	6.32	6.89	2.67						
December	10.09	5.69	2.46	8.51	7.49						
TOTALS ...	56.16	50.75	50.20	70.77	39.26						
	w	w	w	w	w						

1951 Stone wall 5' high at 40° W

Inspected June 1958 Mr. Deeks. Gauge ^{had} confined, rest of gauge missing. Measure feet lowered. Site of SE 4 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	Parish Church.	Distance from gauge.
1951			Wardleworth	4 m. NE.	Norden	1 m. SE.

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	✓	✓	✓	✓