

RAINFALL AT *Darby Dale Whitworth Inst.*

Lat. _____

Lon. _____

County of _____

Derby

Rain Gauge, by _____

Observer _____

J. H. Dawson Esq
Sevent - 6.

Diameter				5								
Height				18				12				
Altitude				361								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January				1.34	3.34	5.08	.90	2.97	1.33	4.04		
February				4.38	3.95	.25	.94	4.93	2.23	2.67		
March55	2.10	2.93	4.03	3.75	1.65	1.51		
April81	3.37	2.51	1.17	2.45	1.83	3.57		
May				3.64	3.24	.79	.34	2.00	2.64	3.26		
June90	2.29	1.38	3.27	3.89	1.55	1.85		
July				3.65	3.55	4.01	1.27	1.24	2.08	1.09		
August				2.49	2.36	2.42	2.57	4.18	3.54	.13		
September....				1.53	.62	1.08	6.28	2.86	.79	4.69		
October				2.36	3.87	3.08	4.62	1.35	4.26	3.17		
November....				1.59	2.12	4.61	1.85	3.40	4.61	1.59		
December....				4.62	2.27	4.16	5.37	4.34	3.79	2.71		
TOTALS ...				27.86	33.08	32.30	32.61	37.36	30.30	30.28		

1893 *St Helens Darby Dale 900 yards W.N.W*
Whitworth Institute 68 ft hgt 85 ft NE

RAINFALL AT Darley Dale Whitworth Inst

Lat.

Lon.

County of Derby

Rain Gauge, by

Observer Whitworth Inst. Trustees

Instrument - 6.

J.H.W. 1890

Diameter ..	5										
Height	1.8										
Altitude ..	360 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.85	2.59	1.22	3.77	3.54	2.12	3.63	1.03	1.64	1.37	2.576
February ..	5.55	2.00	2.23	2.05	4.93	1.55	3.93	2.78	2.55	.85	2.842
March	1.05	4.00	1.87	5.21	3.13	4.02	2.26	1.19	3.39	4.43	3.055
April	1.62	1.75	2.89	2.06	1.76	2.62	.90	1.92	2.30	1.51	1.933
May	1.72	1.29	3.68	3.24	1.40	.46	2.08	5.12	2.12	2.12	2.318
June	4.09	1.32	2.15	1.10	.53	2.68	2.31	4.87	1.96	2.82	2.383
July	4.73	5.40	2.12	3.30	3.14	1.08	.69	2.01	2.88	3.22	2.857
August	5.21	.93	3.16	5.95	4.88	4.79	2.26	1.89	2.77	2.14	3.398
September ..	1.45	1.10	1.37	3.56	1.14	1.66	.79	.75	2.38	2.08	1.628
October	4.56	2.36	3.30	7.16	1.25	1.57	6.65	6.55	1.10	4.64	3.914
November ..	2.66	3.86	3.45	2.16	1.74	4.33	3.49	2.85	1.66	1.07	2.747
December ..	4.92	8.68	1.68	1.94	2.81	1.08	2.82	2.95	1.38	6.61	3.487
TOTALS ..	42.41	35.28	29.32	41.50	30.25	27.96	31.76	33.91	26.13	32.86	33.138

St. Helen's
 1900 Darley Dale Church 1/2 mile N.W.
 Tree 30 ft high 18 ft N.E.
 Flagpole 40 ft high 5 ft N.E.
 1903 Darley Dale Station 250 yards W

Hub

RAINFALL at Darby Dale Whitworth InstituteCounty of DerbyshireObserver J. H. Dawson Esq J. Evans Esq &cRiver Basin Trent-Derwent 6

Rain Gauge, by _____

Diameter ...	5										
Height	1 8			2 0	1.6						
Altitude ...	361 π										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.93	2.08	2.31	3.86	1.62	4.27	1.44	3.13	2.73	3.93	
February ...	3.57	1.90	1.08	1.44	3.07	5.55	4.52	.67	2.50	1.43	
March61	1.43	3.90	4.96	3.40	.92	5.07	1.75	1.43	4.93	
April	3.33	2.57	.42	3.49	.96	1.10	1.65	1.90	1.81	1.63	
May	2.66	1.67	2.45	1.82	1.76	1.55	2.20	1.96	1.84	.91	
June	2.24	2.27	3.23	1.32	1.60	1.36	2.06	2.69	.70	.71	
July	2.61	.13	5.23	.90	3.73	3.60	1.48	1.26	3.16	4.31	
August	4.74	1.80	5.36	1.79	1.44	2.16	2.04	5.77	2.54	3.38	
September ..	.40	1.84	.79	1.68	1.28	.75	1.43	1.15	5.84	3.60	
October ...	2.92	1.79	3.61	3.98	2.70	2.29	3.89	4.88	1.29	3.85	
November ..	5.81	3.37	2.37	3.23	4.41	3.61	3.21	1.83	1.49	2.98	
December ...	6.42	5.25	3.00	2.21	5.80	6.91	2.40	2.06	4.36	8.63	
TOTALS ...	38.24	26.10	33.75	30.68	31.77	34.07	31.39	29.05	30.09	40.79	
	π	π	π	π	π	π	π	π	π	π	

1912 Institute Buildings 80 ft high 60 ft NE
 1913 NW 12 ft from 5 ft SE
 Building 50 ft high 90 ft N

small

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.9.44 N	1.35.31 W	Darby Dale	1/4 m	W	St Helens	1/2 m	NW

RAINFALL at Darley Dale, Whitworth InstituteCounty of DerbyshireObserver E. Evans EsqRiver Basin Trent-Deverant-6

† (1925) M.O. Rain Gauge, by
 g. in wooden box
 but will be dispensed with

Diameter ...	5"										
Height	1.8					1.2			1.0		
Altitude ...	361										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	6.01	4.52	4.55	2.00	2.78	3.50	.	2.56	7.04	1.72	5.97
February ...	4.81	3.5	3.89	6.17	1.11	4.75	.	2.01	3.45	6.5	8.7
March	2.84	1.95	2.34	2.24	1.27	1.16	.	4.76	3.00	2.5	2.71
April	6.25	1.79	3.17	2.82	2.48	2.75	2.10	2.63	1.17	1.24	3.39
May	3.46	2.32	67	3.24	3.40	4.16	3.64	1.15	77	2.50	1.58
June	3.20	32	1.24	4.9	1.84	04	2.11	3.92	3.24	1.44	1.64
July	6.69	77	4.20	3.48	4.10	1.82	3.39	2.19	1.00	2.41	5.96
August	2.08	3.86	5.58	3.54	3.74	3.62	2.10	4.05	3.87	2.31	3.22
September...	2.92	1.05	2.58	3.55	3.16	3.18	1.63	4.37	4.8	1.48	4.84
October	2.60	3.02	1.37	2.27	5.00	3.74	3.09	3.35	5.14	4.17	3.60
November...	1.10	1.82	1.62	3.95	2.13	2.86	5.35	3.75	5.65	7.44	3.54
December...	4.18	3.50	5.17	4.01	3.65	3.03	1.23	2.92	3.29	7.79	3.55
TOTALS...	46.14	25.27	36.38	37.76	34.96	34.61	imp.	37.66	38.10	33.40	40.87

1920. House 50' H. High 90' H. N.E.

1921. Not Printed.

1922. Not Printed.

1923. Figs are almost identical with Darley Hall & H. H. H. not published.

Gauge in open part of grounds (see 340633/22)

1925 not printed, mostly copy of Darley Hall record. 1926. Jan. to March, records lost.

+ 1926 Inspected by M. Taylor 31st May. On raised bank with a 5' drop S.E.
 Observed very few & good results should not be obtained (340634/14)

(Note: - Gauge may be moved during 1926 to level ground)

1927 House 80' H. High 90' N.E.

Position of Station on reduced Ordnance Survey
 Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 9'	1° 56'	Darley Dale	1/2 mi	W	St. Helen's	1/2 mi	N.W.

RAINFALL at Darley Dale (Whitworth Inst)

County of DerbyshireObserver E. Evans Esq. dtd 1938River Basin Trent - DerwentThe Secretary to the Trustees

Type of Gauge

Annual Average 32.9 in. based on 35 years obs. un-weighted. Period of average 1891-1915 Ref 5

706841/26.

Diameter	5										
Height	1 0										
Altitude	361										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.86	3.09	3.28	3.29	1.46	4.48	6.35	4.55	7.19		
February	3.76	3.9	4.39	4.44	3.76	3.22	5.98	1.24	2.21		
March	2.0	2.06	2.71	3.47	.96	2.39	3.60	.24	2.73		
April	4.40	3.88	.91	2.79	3.20	1.44	1.93	.25	1.48	2.30	
May	2.39	5.75	2.12	1.51	.33	.50	2.58	2.23	1.77	1.66	
June	3.54	.95	1.75	.65	4.83	3.08	1.02	1.93	1.64	.84	
July	3.74	2.39	2.08	1.55	2.08	4.40	2.40	4.24	6.04	2.78	
August	5.88	1.82	.48	2.55	2.41	1.11	1.19	1.20	2.28		
September	4.10	2.23	1.22	2.15	4.41	3.62	1.30	2.66	.59		
October	.66	4.17	5.69	2.47	5.23	3.56	2.74	4.35	4.74		
November	5.47	3.10	1.96	1.96	6.65	3.99	1.60	4.05	5.02		
December	1.57	1.55	.66	6.21	4.00	3.32	4.70	4.38	1.92		
TOTALS	38.57	31.38	27.25	29.04	39.32	35.11	35.39	31.32	37.63	N.P. imp	305.01
	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1931. Gauge 80' high 90' N.E. Gauge 40' high 60' W

Instruments used, not occupied by military (1940)

3 being set up checked

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.			Darley Dale	250 yds.	W	Darley Dale	1/2 m.	N.W

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

Station No. 2671RAINFALL at Darby Dale (Whitworth Inst.) 41County of DerbyshireObserver The Secretary to the TrusteesRiver Basin Trent - Derwent - 6

Type of Gauge

Annual Average 32.9 in. based on 35 years obs. ~~un~~-weighted. Period of average 1881 - 1915 Ref. SFile No. 70084/16

Diameter	5"										
Height	1' 0"										
Altitude	361										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS	C.P. imp. #										

Stn Terminated for Duration
12/53. Terminated. no further action A.R.

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.

BRITISH RAINFALL ORGANIZATION