

Rainfall at Derby,

E. x-15 40

Lat. 52° 55'.32 N Lon. 1.20 16 W

Derby.

Observer John Davis

Authority Mf: from Mr. Davis No. 124

Instrument Horoldt's (Bottle) gauge 5 in in diam: 5 ft above ground - 170 above Sea Level

YEAR - -	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -		2.36	1.56	3.07	2.62	1.05	3.10	
February - -		2.24	1.03	.79	1.83	4.24	.74	
March - - -		3.60	2.14	1.58	1.18	6.46	.52	
April - - -		.53	1.28	4.97	1.83	3.52	2.50	
May - - - -		.23	2.83	1.48	4.05	.63	2.92	
June - - - -		1.34	4.21	2.18	2.51	4.40	2.30	
July - - - -		2.71	4.35	3.02	1.10	3.05	2.74	
August - - -		2.48	3.50	4.75	1.35	4.99	.92	
September -	.61	2.46	1.83	1.24	2.31	3.73	3.56	
October - -	5.08	1.92	1.89	4.53	3.25	4.15	3.25	
November -	2.89	3.42	1.66	1.26	2.25	1.06	1.40	
December -	.33	.46	3.93	.96	2.94	2.79	4.63	
TOTALS -		23.75	30.21	29.81	28.02	40.57	28.58	

c c c c c c

Rainfalls of 1 inch or upwards in 24 hours

1844 —

1845 July 3 = 1.01

1846 April 5 = 1.06

June 23 = 1.09

August 2 = 2.29

1847 May 9 = 1.43

Oct 7 = 1.17

1848 —

1849 Decr. 5 = 1.27

In the Corn Market Derby, is a permanent mark showing the height of a flood on April 1st 1841

E. y - 42

## Rainfall at Derby

Lat: 52° 55' S. Lon: 1° 28' 16" W.

Observer - John Davis.

Authority - Mys. &amp; printed (privately) copy of Obs.

Bermant 6.

Howard's (Bottle) Gauge 5 in. in diameter, 5 ft above ground - 170 ft above F. Level

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January --	1.43	2.54	3.50	2.43	2.82	.17	2.52	2.81	.41	.88	1.951
February --	1.66	.78	2.43	.69	.80	1.49	2.00	1.13	.20	1.55	1.273
March --	.33	3.32	.61	.99	.63	2.06	1.00	1.56	.75	1.53	1.276
April --	2.71	1.53	.23	1.58	.52	.72	2.07	2.21	2.97	2.49	1.705
May --	1.51	1.94	.68	1.08	2.34	1.41	3.46	1.26	1.51	.46	1.565
June --	1.01	2.69	3.97	4.92	1.64	3.12	1.55	2.36	1.16	2.69	2.511
July --	3.52	3.44	3.89	2.47	2.56	4.00	2.57	2.11	1.29	.96	2.761
August --	1.58	1.28	3.43	2.96	1.91	1.24	3.93	5.54	4.17	3.75	2.979
September -	1.84	.81	3.26	2.54	.87	.51	3.33	3.13	2.26	3.61	2.216
October -	1.62	2.28	2.79	2.58	.84	3.41	2.38	1.67	3.44	2.00	2.301
November -	2.48	1.32	6.59	2.31	1.14	.34	1.56	1.01	.50	2.10	1.935
December -	1.86	1.33	2.28	.49	2.36	.66	1.16	.48	2.06	2.39	1.507
TOTALS -	21.55	23.28	33.66	25.04	18.43	19.93	27.53	25.27	20.70	24.41	23.980

falls of 1 inch or upwards in 24 hours -

1850	—	1857 April 5 = 1.10
1851	—	, August 8 = 1.59
1852 July 6 =	1.71	, 13 = 1.20
, 26 =	1.40	, 14 = 1.14
Sept. 7 =	1.02	
Nov. 11 =	1.27	
1853 Aug. 17 =	1.87	
Sept. 13 =	1.11	
1854	—	
1855 July 24 =	1.20	
1856	—	

## Derby

J Davis

6 456 86869-69-180 62<sup>45</sup>  
5 + ground 5 ft 67 + Sea level 1794 ft 61  
Bermuda 6.

Dermont 6.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January	2.97	.66	1.42	2.59	1.08	2.00	1.60	2.91	1.81	2.46	2.000
February	.86	2.17	.76	.49	2.52	2.06	2.25	1.95	2.58	1.89	1.753
March	2.06	3.06	3.53	49	2.49	1.04	1.72	2.09	2.32	1.66	2.124
April	.76	1.20	2.26	1.31	2.10	.97	1.05	3.42	1.55	1.48	1.610
May	3.70	.63	3.70	.62	1.67	2.63	1.75	1.73	1.35	3.97	2.175
June	5.21	1.24	2.35	5.52	1.21	1.03	4.11	2.38	27	1.41	2.553
July	1.89	4.30	2.21	1.33	.74	2.68	2.41	1.92	.33	.65	1.846
August	6.23	.92	1.76	2.72	.71	3.25	6.56	4.21	3.14	.99	3.049
September	2.54	2.16	3.73	2.26	3.23	.15	4.79	2.86	1.72	5.31	2.875
October	2.52	1.26	2.43	3.54	2.07	5.20	2.95	3.30	3.01	1.10	2.738
November	1.51	2.15	.61	1.61	1.99	1.90	3.06	.95	1.06	2.04	1.688
December	2.52	1.46	1.52	1.12	1.93	.75	2.22	1.65	6.88	3.91	2.396
TOTALS	32.77	22.01	26.28	23.60	21.74	24.46	34.47	29.37	26.02	27.35	26.807

+ c e e e c t c e t c c c

1863 June 11<sup>th</sup> 2.02

July 22 1·22

## RAINFALL Derby (All Saints Church)

John Davis

+ ground 174 ft + sea level 349

Benchmark 6.

YEAR - -	1860	1861	1862	1863	1864	MEANS.
January - -						
February - -						
March - - -						
April - - -	*					
	1.74					
May - - -	3.27					
June - - -	1.95					
July - - -	1.90					
August - - -	1.58					
September - -	3.57					
October - -	1.84					
November - -	.57					
December - -	1.19					
TOTALS - -						

C

Plotted at 1 P.M. to a scale of 1 day per mm.  
 May 1865 - 1866. Suppl'd by Mr. J. C. M. of

## RAINFALL AT Derby

Lat.....

Lom.....

County of.... Derby.....

Rain Gauge, by.....

Observer

John Davis Esq.

Borebank - 6.

Diameter.....	5									
Height.....	6									
Altitude.....	180				174					
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS.
January.....	1.43	- .82	3.72	2.04	1.95	3.01				
February.....	1.09	1.51	2.87	.68	1.45					
March.....	1.47	1.15	1.84	2.15	1.22					
April.....	.75	3.72	2.24	.46	1.26					
May.....	- .72	1.68	1.63	2.31	1.33					
June.....	1.23	4.16	5.27	2.21	1.07					
July.....	.79	4.68	4.68	2.14	1.28					
August.....	1.15	1.35	3.34	2.92	2.54					
September.....	1.13	4.92	2.93	1.58	2.74					
October.....	* 4.91	2.37	4.56	2.40	1.90					
November.....	1.99	1.05	2.36	2.03	2.71					
December.....	2.07	1.29	3.78	.26	1.90					
TOTALS .....	18.73	28.70	39.22	21.18	21.35					
	C	C	C							

## RAINFALL AT Derby Fir Bank Heyworth Street All Saints Works 80

Lat.

Lon.

County of

Derby

Rain Gauge, by

Observer

Mess<sup>r</sup> J. Davis & Son

Bermont - 6.

Diameter .....											5
Height .....											1 -
Altitude .....											174
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....					2.63	1.76	2.92	2.61	.81	1.14	
February .....					1.77	2.07	.36	.29	.46	1.81	
March .....				4.07	1.48	.89	2.41	.84	2.07	3.26	
April .....					2.22	1.61	1.94	1.83	1.34	2.70	2.41
May .....					1.08	1.07	2.12	4.87	1.52	.60	3.38
June .....					4.84	1.33	3.07	1.66	.70	2.55	.42
July .....					2.19	3.48	.47	3.74	1.26	5.21	2.46
August .....					1.65	2.35	2.11	1.87	1.95	2.64	3.07
September....					5.07	1.50	2.68	1.33	2.07	1.01	2.55
October ....					2.37	1.52	5.55	5.10	1.50	.69	2.55
November....					3.54	1.14	2.53	1.73	1.78	3.67	1.13
December....					1.17	2.56	.52	2.82	1.40	1.98	2.05
TOTALS .....					22.37	25.59	30.64	17.26	24.48	26.23	

N.B. Rejected from Survey as 2" too High

RAINFALL AT Derby ~~All Saint Works~~

Heyworth Street and Mild Street

Lat.

Lon.

County of

Derby

Rain Gauge, by

Observer Mrs J. Davis &amp; Son

Densest 5.

Diameter ....	5											
Height .....	10											
Altitude ....	174											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January .....	2.75	1.94	1.33	1.45	1.83	3.99	1.07	2.86	1.31	3.20	2.143	
February .....	.68	.11	1.14	2.74	2.63	.17	.77	3.40	1.72	1.35	1.471	
March .....	1.15	1.26	.84	.38	1.03	1.39	3.00	2.27	1.73	1.32	1.427	
April .....	.75	2.38	.62	.74	1.49	2.13	.95	1.99	2.10	2.83	1.598	
May .....	1.69	2.22	2.48	2.19	1.63	.60	.34	1.48	2.79	3.27	1.869	
June .....	1.90	4.85	3.46	.88	2.25	1.17	1.65	3.43	1.70	3.25	2.451	
July .....	1.81	1.92	2.34	3.82	2.43	3.50	1.75	.42	1.17	2.27	2.142	
August .....	3.30	3.55	2.82	1.73	1.84	2.49	1.72	3.23	2.24	.96	2.385	
September .....	1.45	1.40	2.22	1.56	.47	.50	3.61	2.69	.43	2.87	1.820	
October .....	1.64	4.47	2.54	1.83	2.14	2.43	2.45	1.02	2.76	2.86	2.414	
November .....	3.53	1.82	1.62	1.43	1.90	3.41	1.14	2.09	2.38	1.47	2.049	
December .....	.71	3.39	1.49	2.38	2.23	2.56	4.05	3.17	1.99	2.57	2.457	
TOTALS ....	21.36	29.31	23.90	21.13	21.87	24.34	22.50	28.05	22.32	28.22	24.300	

1892 Oct. 1 Gauge moved from Heyworth St. to Mild St.

NB Ejected from Survey as 2" High.

## RAINFALL AT Derby Wild Street

Lat.

Lon.

County of Derby

Rain Gauge, by

Observer. Major J. Dennis T. Lee.

Bewent - 6.

Diameter ..	5										
Height ....	1.0										
Altitude ..	174										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.90	1.91	1.24	2.06	2.09	1.10	3.93	1.30	1.25	1.32	2.010
February ..	4.17	1.25	1.76	1.22	3.28	.81	3.28	2.08	1.80	.76	2.041
March .....	.70	2.24	1.75	3.43	1.73	3.02	1.98	1.60	3.07	3.63	2.315
April.....	1.37	1.95	2.40	1.95	1.85	1.94	.87	1.87	2.78	1.50	1.848
May .....	1.70	1.04	2.57	3.12	1.81	.46	1.91	4.14	2.58	1.95	2.128
June .....	3.50	1.99	2.49	1.33	.61	2.06	1.91	3.72	1.84	2.27	2.172
July .....	4.23	3.54	1.44	2.48	2.24	1.03	.61	2.63	2.77	3.57	2.454
August .....	5.20	1.95	3.18	4.97	3.09	3.16	1.01	3.42	3.94	2.20	3.212
September ..	.96	1.05	1.52	2.97	2.01	1.85	1.25	.89	1.85	2.53	1.687
October .....	2.20	2.00	2.78	5.93	.70	1.47	5.83	4.06	1.24	3.67	2.938
November ..	2.45	2.21	1.91	2.19	1.74	2.63	3.21	2.16	1.59	.55	2.063
December ..	4.24	6.33	1.78	1.37	1.63	.81	2.81	3.19	1.80	4.85	2.881
TOTALS ..	34.62	27.46	24.82	33.02	22.78	20.34	28.10	31.04	26.51	28.80	2.740

N.B. Rejected from Survey as 2° High

H.W.

10 2658

RAINFALL at Derby Wild Street later Parkgrove

County of Derbyshire

Observer Mr J. Davis & Son

River Basin Trent-Derwent 6

*Rain Gauge, by.*

Diameter ..	5										
Height .....	10										
Altitude ...	174										
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ..	2.51	.84	4.57	4.16	1.89	2.97	1.25	2.74	1.94	2.43	16
February ..	2.20	1.79	1.77	.97	1.47	2.41	5.00	1.01	2.03	2.44	17
March .....	.59	1.62	2.99	4.01	2.61	1.00	3.87	1.62	1.45	4.82	18
April .....	2.26	1.54	.30	3.38	.90	.89	1.77	1.17	1.29	1.29	19
May .....	2.87	.60	2.44	1.84	2.21	1.69	2.11	2.52	2.79	1.39	20
June .....	1.37	2.80	5.75	1.45	1.90	1.62	1.46	2.60	.68	.86	21
July .....	2.78	.08	3.21	.94	4.33	6.26	2.17	1.11	3.29	2.40	22
August .....	2.36	1.84	6.10	1.96	2.02	1.98	1.80	4.80	2.03	1.89	23
September ..	.63	1.56	.92	1.58	1.08	.78	.69	1.50	5.74	1.38	24
October ..	2.62	2.16	3.01	2.75	1.96	1.79	2.71	3.62	1.22	2.61	25
November ..	5.25	2.37	2.24	2.52	3.33	2.54	2.88	1.45	1.41	2.17	26
December ..	4.64	4.19	3.37	1.15	5.56	4.92	2.46	1.13	3.98	4.10	27
TOTALS ..	31.08	21.39	36.67	26.71	29.26	28.85	28.39	25.27	27.85	28.08	
	7	3	2	3	2	2	2	2	2	2	

N.B. Rejected from Survey as 2° High.

RAINFALL at Derby Wild Street — later Park Grove

County of Derbyshire Observer Messrs J. Davis & Son

River Basin Trent-Derwent-6

Howard Rain Gauge, by  
(126)

N.B. Elevation from Survey as 2° High. with error in Survey work.  
av. 16.3 - Ok. 48.165

*Position of Station on reduced Ordnance Survey* } No. of Map \_\_\_\_\_ Reference No.  
Map, 2 miles to 1 inch Series }

Park Grove.  
RAINFALL at Derby (with ~~Street~~)

County of Derbyshire.....

Observer Messrs. J. Davis &amp; Son, Ltd.

River Basin Trent - Derwent 6.

Type of Gauge..... M. C.

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....

703529/26.

Diameter	5										
Height	10										
Altitude	198 <del>174</del>										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.08	2.31	2.08	2.58	8.2	3.28	3.25	3.46	5.20	3.07	Total 28.37
February	3.28	5.3	3.20	4.48	2.46	1.83	4.34	.96	1.27	3.34	21.69
March	3.9	1.89	2.58	1.80	7.7	1.91	2.42	.37	1.73	2.32	10.18
April	4.40	2.96	1.45	2.02	3.30	1.94	2.24	.13	2.08	1.84	22.36
May	2.94	7.14	2.00	9.5	4.8	3.7	2.23	1.96	1.02	1.24	20.33
June	4.10	1.01	1.92	8.2	3.38	3.26	2.95	1.58	1.17	0.78	18.77
July	3.84	3.52	2.38	1.28	4.48	4.12	2.65	4.15	4.44	2.53	29.59
August	5.82	1.90	.79	2.56	2.02	1.79	.33	1.61	2.46	0.35	18.63
September	3.71	2.01	1.69	2.17	4.19	3.56	1.43	3.61	1.15	0.63	24.17
October	1.84	3.66	5.34	1.73	4.00	1.74	1.96	2.56	3.06	4.04	28.73
November	3.65	2.24	1.19	2.12	5.03	2.31	1.67	2.99	4.04	6.32	31.56
December	1.43	.82	1.44	4.71	4.02	2.35	2.95	3.89	2.13	2.17	24.91
TOTALS	36.48	29.99	25.06	23.22	30.95	24.86	26.42	27.17	29.65	28.65	225.42
	D	D	D	D	D	D	D	D	D	D	YR

1933, 4x6s 5" M.O. gauge installed Oct. 29<sup>th</sup> 1933.

N.B. Rejected from Survey as 2' High. Re-examination of Survey working reveals errors with errors causing wrong values. Values OK. YR 151.65.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1938			Derby.	2m	SE	All Saints.	1m	S.E.

Station No. 2658

41

## RAINFALL at Derby (Park Grove)

County of Derbyshire

Observer Messrs J. Dawson &amp; Son Ltd.

River Basin Derwent - 6

Type of Gauge m.s.

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

File No. 703529/26

Diameter	5"			110	380							
Height	1' 0"					1						
Altitude	198'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.34	3.05	4.11	3.16	2.35	2.91	2.28	5.58	.98	.84		Totals 22.66
February	2.46	1.04	7.6	2.38	2.82	3.78	2.43	1.65	.65	4.65		22.62
March	2.93	2.01	1.08	.21	.77	.88	5.69	.73	1.68	1.01		16.89
April	1.62	.99	.86	2.27	1.97	1.08	2.06	1.94	2.42	2.39		17.62
May	2.50	3.59	3.82	1.31	2.39	1.31	1.72	1.28	2.07	1.68		21.17
June	.81	.28	1.90	1.83	3.02	2.94	1.33	2.60	.38	1.68		16.77
July	4.04	2.24	1.32	2.80	2.43	1.32	2.95	1.00	3.13	2.27		23.50
August	4.21	2.16	2.86	2.77	2.57	3.80	.52	4.62	1.85	3.64		29.00
September	.40	1.13	2.31	3.98	2.45	3.43	1.63	1.99	1.67	5.00		24.05
October	2.77	2.27	1.89	2.75	3.80	1.03	.29	1.97	4.10	1.20		22.07
November	2.94	1.24	2.24	4.72	.33	5.13	2.10	1.78	3.16	3.94		27.58
December	1.07	2.23	1.02	1.57	1.97	2.34	2.68	3.79	2.32	1.74		20.73
TOTALS	28.99	22.23	23.81	29.75	26.87	29.95	25.68	28.93	24.41	30.04		270.66
	D	D	D	D	D	D	D	D	D	D		1444

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1941			Derby	app 2 m.	S.E.	All Saints, Derby	1 m.	S.E.

*Station No.*

2638

51

RAINFALL at DERRYL (PARK GROVE)

County of Dakota

Observer MERL J. DAVIS & SON LTD.

River Basin. TRENT - DERWENT - 6

Type of Gauge..... M.O.

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref. ....  
 28.23 \* - \* 35 \* " 1916-1950 1916-1950 P  
 File No. 203829/26

25.3.58 Back years examined & copied from 1905. B.D.(D.19356+56)

1961. *Trematostatica* closed down.

*Position of Station on Ordnance One-Inch map:*

*No. of Man*

National Grid Reference SK(43)345374

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1959.			Derby				

*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	✓ ✓	✓ <i>1st + 126-27</i>	✓ ✓	✓ ✓	