

RAINFALL AT West GrangeJohn J DelgustBethlehem

Tide.

Rain { By .....  
Gauge { Diameter.....5.....in.Height above Ground, ..... ft. 2.. in.Above Mean Sea Level, 1116.. ft.Fork L. bank - 1.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEAN.
January .....						3.90	4.28	2.58	5.97	4.12	
February .....						5.15	4.10	.97	2.88	2.35	
March .....						1.52	1.45	.81	1.72	.30	
April .....						.80	.95	1.92	1.60	.78	
May .....						2.80	1.14	1.27	2.33	.38	
June .....						.63	1.50	1.75	.92	2.47	
July .....						3.33	2.28	2.47	.95	1.53	
August .....						4.43	3.22	3.32	4.65	1.46	
September .....						.36	2.77	1.97	2.52	4.37	
October .....						5.45	1.33	1.80	1.45	2.78	
November .....						3.35	1.71	.58	.97	2.50	
December .....						1.60	3.04	1.20	4.22	3.82	
TOTALS .....						33.21	27.77	20.64	30.48	26.86	

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65 Buchan

RAINFALL AT Cubcross Nest Grange

Lat.....

Lon.....

County of...

Reich

Twp.....

Rain Gauge, by.....

Observer

John J. Dalchink EsqFort, L. bank - 1.

Diameter .....	.5											
Height .....	2											
Altitude .....	116											
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.20	1.95	5.06	4.39	3.09	7.65	3.44	7.67	4.20	1.86	4.061	
February .....	1.80	5.48	2.92	1.43	.55	1.21	4.24	3.54	1.71	3.70	2.668	
March .....	.60	2.60	2.28	.96	2.09	2.05	5.19	2.05	1.20	3.72	2.274	
April .....	.30	6.75	.80	.00	2.18	.79	4.25	3.26	1.72	2.08	2.213	
May .....	2.95	.68	4.40	1.36	.94	1.47	1.12	2.51	4.10	2.76	2.229	
June .....	2.00	2.05	7.56	2.88	.57	3.21	3.18	3.05	3.50	5.19	3.319	
July .....	2.12	4.47	3.44	6.16	3.67	2.63	2.19	4.27	.69	4.03	3.367	
August .....	1.20	3.03	6.59	5.41	7.31	2.17	4.25	7.97	3.51	5.52	4.696	
September.....	2.43	1.10	6.75	3.92	2.39	3.20	3.54	2.15	3.92	4.08	3.348	
October .....	5.18	4.31	3.51	6.64	3.93	5.33	5.73	5.81	3.40	2.09	4.573	
November.....	.80	3.32	7.57	2.14	4.31	3.30	4.04	4.25	2.57	1.91	3.415	
December.....	4.32	3.83	2.98	2.15	1.66	3.58	11.02	3.85	1.41	2.57	3.739	
TOTALS .....	24.90	39.59	53.80	37.44	32.69	36.59	52.19	50.38	31.93	39.51	39.902	

# RAINFALL AT *Cubcross Test Grange*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Perth*

*High.*

Rain Gauge, by \_\_\_\_\_

Observer *J. J. Dalgleish, Esq.*

*Forth, L. bank - 1.*

Diameter ....	5											
Height .....	0.2											
Altitude ....	116 $\pi$											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	2.09	.90	3.47	2.85	4.71	2.31	3.38	1.37	1.83	1.19	2.410	
February ....	3.22	5.16	5.33	1.27	2.41	3.02	.97	2.42	.79	1.69	2.628	
March .....	3.30	3.43	5.42	1.56	1.71	.98	1.45	2.09	3.92	1.26	2.562	
April .....	3.28	1.77	4.24	1.08	.96	2.48	1.22	2.34	1.86	2.56	2.179	
May .....	1.01	3.86	2.60	1.57	2.92	3.58	3.62	.83	2.53	3.86	2.630	
June .....	1.71	2.72	3.36	2.34	.81	1.55	1.20	.58	2.52	.45	1.724	
July .....	5.32	7.12	5.50	5.53	5.36	1.12	3.69	3.18	4.25	2.21	4.328	
August .....	1.12	5.37	4.62	3.93	1.84	2.84	2.09	3.13	2.43	4.81	3.218	
September ....	3.05	3.20	3.22	2.05	2.46	4.60	4.02	3.61	.99	.64	2.784	
October .....	1.56	4.28	4.11	3.95	2.31	2.26	6.66	1.68	1.65	3.04	3.149	
November ....	6.06	5.03	6.90	5.15	3.41	1.49	2.92	3.85	5.98	1.17	4.196	
December ....	2.07	2.63	2.65	3.26	5.58	1.75	4.02	1.99	2.70	1.70	2.835	
TOTALS ....	33.79	45.47	51.42	34.48	34.48	27.45	35.74	27.07	31.45	24.58	34.613	



# RAINFALL AT *Cubross West Grange*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Perth & Fife*

Rain Gauge, by \_\_\_\_\_

Observer *J. J. Dalgleish Esq*

*Forth, L. bank - 1.*

Diameter ....	5										
Height .....	0 2										
Altitude ....	116 $\pi$										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	2.22	1.92	1.72	1.36	4.09	1.61	1.50	1.82	6.41		
February ....	.53	.52	2.02	3.07	8.48	.54	2.16	2.16	1.87	2.32	
March .....	2.21	3.33	.85	1.78	2.65	1.82	4.52	4.52	1.61	2.97	
April .....	.68	.99	.65	.98	1.43	1.06	1.06	1.06	2.43	3.37	
May .....	.96	1.58	3.12	1.99	2.45	.29	1.74	2.26	4.64		
June .....	1.13	.45	3.91	1.45	2.87	.56	5.28	5.28	2.11	1.86	
July .....	2.36	2.09	1.78	2.02	2.67	3.08	1.44	1.44	1.55	2.64	
August .....	2.65	5.21	5.83	2.14	5.03	5.23	5.38	5.38	3.98	.98	
September....	4.23	4.50	2.29	1.17	.05	.77	2.43	2.43	4.12	2.48	
October .....	2.17	2.08	3.58	2.72	3.32	1.02	1.37	1.37	5.44	3.42	
November....	5.04	2.47	2.12	1.57	3.25	2.29	2.79	2.79	4.84	3.32	
December ....	1.51	5.12	1.68	3.28	2.16	2.19	4.47	4.47	5.18	3.40	
TOTALS ....	25.69	30.26	29.55	23.53	38.45	20.46	34.14	34.14	37.21	37.81	(31.36)

1895 Record about ten inches short. A new Gardener allowed the gauge to get out of repair 1896 Bad also

# RAINFALL AT

*Culross Westgrange (Brankston Grange)*  
 Lat.  $56^{\circ} 4' 34''$  Lon.  $3^{\circ} 38' 23''$  County of *Fife*  
 Rain Gauge, by *J. J. Dalgleish Esq*  
 No. *1* *bank - 1.*

Diameter ..	5										
Height ....	0 2										
Altitude ..	116 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.06	1.87	1.78	6.22	2.30	1.16	3.33	1.74	3.61	4.19	
February ..	2.94	1.07	1.66	5.74	3.14	1.18	1.78	2.28	1.67	1.39	
March ....	1.34	2.08	1.91	6.47	1.68	3.87	1.82	2.65	3.43	3.45	
April .....	1.62	1.93	1.02	1.13	3.33	1.68	1.05	1.13	1.03	3.34	
May .....		1.37	1.69	1.91	2.75	1.77	4.67	2.81	2.70	2.98	
June .....	(12.00)	2.35	2.21	2.68	1.59	.95	2.00	4.45	1.58	1.82	
July .....		1.45	3.35	6.19	1.70	3.27	1.58	3.05	2.99	2.80	
August .....		4.09	2.42	4.20	5.19	2.65	4.57	3.97	1.63	3.69	
September ..	3.45	1.63	1.61	2.86	2.11	1.47	1.71	1.47	6.41	1.98	
October .....	4.51	2.70	1.48	6.39	1.97	2.15	4.86	5.61	1.76	3.74	
November ..	4.94	2.36	1.67	1.43	1.02	3.96	3.62	1.79	2.43	1.05	
December ..	4.82	3.43	3.33	1.80	4.35	2.59	1.44	3.46	2.48	3.87	
TOTALS ..	(39.68)	26.33	24.13	47.02	31.13	26.70	32.46	34.61	31.72	34.30	(32.808)

1900. May to August. No observations gauge stolen

1905. Gopside Station

13. V. 09 Brankston Grange is the name of the house, Westgrange of the Estate.

1900 Part estimated for Glasgow Water Feb. 1913

RAINFALL at Culross, WestgrangeCounty of Fife Observer J. J. Dalgleish Esq.River Basin Forth, Lower, - left bank tribs 1.

Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	20	0	2	2	0	2					
Altitude ...	116	7									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.59	1.14	2.26	3.02	2.77	1.77	3.68	1.74	3.25	3.17	
February ...	3.12	3.15	2.30	1.93	2.88	3.49	3.76	.59	3.54	1.48	
March .....	1.57	1.97	4.13	3.69	3.34	2.04	2.67	1.32	1.21	2.21	
April .....	2.54	1.29	.41	2.40	1.55	1.75	2.10	1.85	.76	2.09	
May .....	1.26	1.39	1.51	2.26	2.50	1.46	3.10	2.22	2.32	.87	
June .....	1.12	1.32	3.68	2.31	.75	2.68	2.73	2.33	.77	1.85	
July .....	4.54	2.64	1.89	.69	2.99	4.74	4.07	1.85	2.72	.97	
August .....	6.32	1.45	3.43	1.69	3.68	3.62	2.17	4.85	2.25	2.39	
September ..	.97	1.72	1.77	2.29	1.09	2.36	1.08	2.01	4.43	1.88	
October ...	1.94	2.71	2.64	1.84	1.72	3.45	5.27	3.35	3.55	1.60	
November ..	3.12	3.90	2.25	3.38	3.81	1.79	4.20	3.77	2.04	4.29	
December ...	2.24	2.42	5.22	2.48	5.30	4.51	3.31	2.64	2.66	4.72	
TOTALS ...	32.33	25.10	31.49	27.98	32.38	33.66	38.14	28.52	29.50	27.52	

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Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Bogside	$\frac{1}{4}$ mile	S.			
1912	56° 4' 43"	3° 38' 43"						



# RAINFALL at Culross, <sup>Brankston Grange (1921)</sup> Westgrange (1920)

County of FifeObserver J. J. DalgleishRiver Basin Forth, Lower 1Mrs. Dalgleish (1921)Howard Rain Gauge, byJ. P. Dalgleish, 1924

Diameter ...	5"				- 5							
Height .....	0.2	0.10			- 6							
Altitude ...	116	200			116							
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	3.85	4.18			2.58	2.18	4.22	2.98				
February ...	3.83	.38			.83	3.06	4.07	1.99				
March .....	3.09	3.77			.77	1.32	1.86	2.57				
April .....	1.88	.80			1.57	3.41	2.12	1.57				
May .....	2.69	2.06			5.10	4.31	2.78	1.92				
June .....	1.74	.42			2.12	.47	2.33	3.61				
July .....	2.56	3.01			3.69	1.71	4.16	5.11				
August .....	4.35	5.93			3.67	2.59	1.80	5.60				
September...	1.98	1.24			3.33	3.15	3.78	4.53				
October .....	1.38	3.62			3.09	2.88	3.73	4.26				
November...	2.92	2.04			2.13	.98	4.77	2.50				
December...	3.06	4.12			4.40	1.95	1.08	1.83				
TOTALS...	33.33	31.58	-	-	33.28	28.01	36.40	38.47	NR	NR	NR	#
		7			D	D	D	D				

1921. Small grass house 10 ft. high 14 feet. N.E.  
 1922. Brankston Grange is a house on the estate of West Grange, and all records which have appeared in B.R. under either name were taken at Brankston Grange.

Position of Station on reduced Ordnance Survey } 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	56° 4' 43"	3° 38' 43"	Bogside	1/4 mi	S			
1921	56° 14'	3° 75'	"	3/4	W	Culross	3 mi	S.