

# RAINFALL AT *Cullen House*

Lat. ....

Lon. ....

 County of *Barff*

Rain Gauge, by .....

 Observer *H. G. Berry*
*Section - 2.*

Diameter ....					5						
Height .....					1 1			2 9			
Altitude ....					100			100 T			
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....					4 20	1 70	2 30	1 71	1 95	1 80	
February ....					60	2 15	1 45	77	2 47	2 68	
March .....					2 40	1 80	1 29	1 75	3 50	1 70	
April .....					1 00	95	1 25	2 94	1 80	2 59	
May .....					1 75	2 64	1 50	1 90	98	1 23	
June .....					1 41	1 10	4 50	59	70	20	
July .....					2 15	1 74	3 15	1 96	5 08	3 67	
August .....					2 58	3 47	2 39	2 30	2 65	3 25	
September....					45	3 80	1 25	3 45	2 50	2 10	
October ....					3 16	3 50	1 27	3 90	3 15	4 43	
November....					3 50	2 00	3 60	3 00	3 80	3 08	
December ....					1 50	2 40	5 00	3 30	2 30	1 18	
TOTALS ....					24 70	27 25	28 95	27 57	30 88	27 91	

1884 *Cullen Church 1/4 mile E.*  
*Fence 1 ft 6 in high 5 ft S.*

1887 *Gauge moved*

# RAINFALL AT *Cullen House*

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

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

County of *San Joaquin*

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

Observer *Mr J. F. Smith*

*Station - 2.*

Diameter ....	5											
Height .....	10											
Altitude ....	100 T											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	2.27	2.50	2.75	2.40	2.10	4.95	1.60	2.50	1.95	1.40	2.442	
February ....	2.85	.80	2.05	2.20	2.40	2.05	1.10	2.05	3.80	3.90	2.320	
March .....	1.15	3.15	2.70	1.15	1.00	2.85	1.20	4.50	2.65	4.00	2.435	
April .....	.80	.35	2.75	.95	1.50	.80	2.40	1.85	4.60	3.40	1.940	
May .....	3.26	2.75	2.80	1.05	2.50	.25	1.75	.45	3.10	2.00	1.991	
June .....	1.50	1.70	2.50	2.20	3.15	4.50	2.85	4.10	3.00	2.50	2.800	
July .....	3.40	6.52	3.60	2.50	4.10	3.70	3.40	2.10	2.20	2.00	3.352	
August .....	2.10	5.60	1.95	3.60	4.00	2.40	2.75	3.00	1.30	1.20	2.790	
September....	2.56	4.75	3.70	4.75	3.80	2.50	6.05	2.50	1.25	3.90	3.576	
October .....	4.68	2.25	6.00	8.70	4.10	5.50	3.00	.95	3.10	1.20	2.948	
November....	4.88	3.80	4.55	2.60	.90	3.10	2.90	2.10	2.10	1.75	2.868	
December ....	.40	2.20	.55	2.40	1.95	6.75	4.75	4.20	3.30	4.60	3.110	
TOTALS ....	29.85	36.37	35.90	34.50	31.50	39.35	33.75	30.30	32.35	31.85	33.592	

1890 Cullen Church  $\frac{1}{2}$  mile E  
 Hedge 3 ft high 3 ft S

# RAINFALL AT *Cullen House*

Lat. ....

Lon. ....

County of *Banff*

Rain Gauge, by .....

Observer *Mr J. F. Smith*  
*Mr A. Morton*

*Season 1892-3.*

Diameter ..	5										
Height ....	1 0										
Altitude ..	100 <i>T</i>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.10	2.10	1.10	4.10	1.70	2.50	1.10	2.44	1.60	2.20	2.194
February ..	4.40	4.20	2.30	1.80	2.10	1.15	1.95	1.38	2.45	1.50	2.323
March ....	3.20	2.50	3.35	2.05	3.20	4.50	2.60	1.25	2.25	3.50	2.840
April .....	1.65	2.40	2.10	2.10	1.30	2.10	2.25	1.06	2.65	2.65	2.026
May .....	.90	1.20	2.00	1.75	1.20	2.30	4.00	2.00	2.40	2.50	2.025
June .....	1.05	.50	1.30	1.20	1.80	.95	1.20	4.00	1.35	2.35	1.570
July .....	2.05	.60	5.05	6.35	.70	1.00	1.65	3.08	2.95	1.80	2.520
August ....	4.10	1.10	2.00	4.00	4.50	2.90	2.30	3.40	2.30	2.25	2.885
September ..	2.50	3.00	1.90	2.85	2.50	3.30	2.20	.60	2.85	2.50	2.420
October ....	4.20	4.50	2.90	4.10	2.60	5.40	3.85	3.30	.50	3.55	3.690
November ..	3.10	6.30	2.50	3.20	3.10	5.15	5.47	1.90	1.85	5.05	3.762
December ..	3.20	3.50	3.70	2.40	4.40	.95	3.00	1.85	2.10	2.65	2.775
TOTALS ..	35.45	31.90	30.20	35.90	29.10	32.20	31.57	26.23	25.25	32.50	31.030

1903 Cullen Church 1/2 mile E

Station 1

Hedge 19' high 6 ft 5

*W.S.*



RAINFALL at Cullen House Gardens

5670

County of BarffObserver Mr. A. MortonRiver Basin Deveron & Co. 2Mr. Allan Grant (1912)Mr. Fred Low (1915)

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

Diameter ...	5										
Height .....	10										
Altitude ...	100 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.70	1.20	2.70	1.86		1.35	1.72	3.20	3.12	3.95	
February ...	1.55	2.19	2.35	.94		2.75	2.55	1.01	1.46	.90	
March .....	2.70	1.40	2.32	3.09		4.10	2.50	1.84	1.37	2.34	
April .....	3.10	2.10	2.00	1.15		2.20	2.51	2.35	1.27	2.60	
May .....	2.50	2.03	4.40	2.92		1.09	4.29	1.38	1.08	1.05	
June .....	.85	3.03	2.56	4.51		.95	3.70	2.67	1.66	2.53	
July .....	2.20	3.10	1.65	.89	5.17	2.65	3.65	3.22	5.35	.70	
August .....	3.50	1.50	7.95	1.08		3.06	2.05	2.00	4.28	2.98	
September ..	1.30	2.04	1.28	3.32		4.85	1.95	1.74	4.73	1.85	
October ...	2.00	3.00	3.00	1.12		2.37	3.30	4.70	1.93	2.15	
November ..	6.50	5.58	2.45	2.20		3.65	4.14	5.45	1.70	4.93	
December ...	3.05	4.32	2.94	4.23		4.90	2.00	1.61	3.40	2.71	
TOTALS ...	31.95	31.49	35.60	27.41		33.92	34.86	31.17	31.35	28.69	

Obs says "g. in good order" x. 14  
 Edge 3 ft high 6 ft S.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912			Cullen	(1916) 2 miles 1 1/2 miles	E N.	Cullen	1/2 m.	E.

RAINFALL at Cullen House GardensCounty of BarryObserver Mr. F. LowRiver Basin Deveron & C. 2.Mr. R. Ferguson. 1924A.O. Rain Gauge, by  
(1929)

Diameter ...	5"									5	
Height .....	10									1.2	
Altitude ...	100									150	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	1.63	2.66	3.15			.93	1.83	2.13	3.36	1.21	1.33
February ...	1.75	.72	2.53		4.00	2.82	2.31	1.69	1.40	.63	.87
March .....	2.62	1.96	1.45			2.46	1.90	2.13	1.61	.87	1.02
April .....	2.25	.99	4.15		.97	1.10	1.59	2.93	.99	2.33	1.69
May .....	2.55	1.65	1.55		3.08	1.89	2.82	2.68	1.60	1.53	1.50
June .....	1.55	1.50	2.14		1.73	.36	2.82	4.26	3.65	3.45	2.47
July .....	2.53	1.96	3.50		3.24	3.98	1.61	.63	2.62	1.73	3.38
August .....	2.37	2.19	1.91		5.02	1.41	1.85	2.41	2.72	3.55	5.38
September...	2.35	1.01	2.72		5.41	4.44	2.83	7.64	3.64	1.82	4.05
October .....	1.20	1.60	1.10		3.30	2.62	4.59	6.00	2.35	3.90	4.44
November...	1.77	1.77	2.67		1.38	1.65	2.63	3.66	3.81	2.52	5.36
December...	1.55	2.72	1.53		1.20	2.98	1.92	1.12	3.05	4.93	2.09
TOTALS...	24.12	20.73	28.40		(29.33)	26.64	28.70	37.28	30.20	28.47	33.58

1920. Hedge 27 ft high 6 ft S.

1924. Jan. - March etc.

1929. Glasshouses 12' high, 18' N.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920			Cullen	1 mi	E	Cullen	1/4 mi	E

RAINFALL at Cullen House GardensCounty of BanffObserver A. Ferguson. Mr. Mitchell Harrower.River Basin 2. Deveron & C.Mr. A. MurrayType of Gauge M.O.Annual Average 30.6 in. based on 42 years obs. un-weighted. Period of average 1881-1925 Ref. S

Diameter	5.										
Height	1. 2.										
Altitude	150.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.75	2.62	0.97	1.07	2.34		4.25	2.92	3.45	1.20	
February	2.71	.58	4.60	1.64	2.45	1.81	3.39	1.40	1.51	.67	
March	1.31	2.96	1.03	2.86	2.49	.35	2.62	1.15	2.14	3.42	
April	1.77	2.71	1.87	4.71	3.12	.32	.67	.32	1.43	1.21	
May	2.50	1.87	0.33	2.49	1.59	.82	1.74	1.99	.51	1.50	
June	2.26	.44	2.03	1.67	1.58	.86	1.88	3.37	1.35	2.42	
July	4.05	3.29	3.20	2.44	2.61	4.09	2.49	5.17	4.11	8.66	
August	2.04	2.20	1.57	4.43	3.73	1.24	1.95	1.69	1.65	1.58	
September	1.68	4.06	1.21	2.35	5.32	.87	1.16	4.08	1.14	2.86	
October	2.23	6.48	5.13	3.86	3.45	1.62	2.66	2.82	2.65	(2.53)	
November	2.38	2.90	3.31	2.52	3.30		1.70	2.79	3.10	6.78	
December	2.35	1.85	1.24	2.63	(3.00)	1.65	2.41	2.26	2.16	3.50	
TOTALS	28.03	31.46	25.99	32.17	(34.98)	impv	26.92	30.06	25.20	36.33	
	D.	D	D	D	D		D	D	D	D	

1931. Glass houses 12' high 18' N.

1936 n/w as record low and imp. Gauge leaking until Dec. 3rd. when leak was repaired.

1937 Vegetables 3' high 4'S.

1940. Oct. 1st-13th. est. from nearby stns.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			Cullen	1 m	N.	Cullen House	1/2 m	N.E.



Station No.

5670

RAINFALL at Cullen House Gardens

41

County of

Banff

Observer

Mr. A. Murray

River Basin

2-Dereon & CMr. Annand (1945)

Type of Gauge

(M)C. A. Richardson, Esq. (1946)Annual Average 20.6 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	5"				825	269					
Height	1' 2"					1					
Altitude	150'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.50	4.21	1.79	(2.90)	(4.10)	0.68	2.08	1.89	2.61	1.82	
February	2.99	2.08	2.28	(2.40)	(1.80)	2.26	1.06	0.93	1.22	2.84	
March	2.65	1.20	1.13	(1.70)	(0.80)	1.29	2.05	0.62	2.86	3.00	
April	1.63	0.25	1.64	(1.20)	(1.50)	1.25	0.90	2.13	1.67	2.79	
May	2.14	0.99	2.55	2.20	(2.50)	1.71	1.64	2.74	2.39	1.20	
June	0.49	1.08	1.73	2.60	(2.50)	1.32	3.90	4.24	1.44	2.13	
July	5.13	3.90	(1.40)	2.20	(2.70)	4.94	1.52	2.52	1.14	2.19	
August	4.52	2.75	(3.90)	1.00	(4.90)	3.96	0.18	5.80	4.95	2.06	
September	1.02	2.47	(1.90)	(4.10)	(2.50)	2.57	3.61	1.96	2.12	6.20	
October	4.89	6.27	1.50	3.20	(2.70)	0.33	1.79	3.29	2.48	1.14	
November	3.64	(1.69)	2.70	3.10	(2.80)	3.59	5.24	1.78	2.75	3.47	
December	2.01	3.08	(0.20)	(2.80)	(4.50)	1.85	2.47	2.17	4.51	2.99	
TOTALS	33.01	28.97	23.72	29.50	30.70	25.75	26.44	30.07	30.14	31.83	

942 New add. 20.2.11.

8.3.45 New gauge set up 20.2.11. 5. of old gauge on level ground. Shrub 8' high 6' E to W. Herbaceous border 3' high 3'S.

1947. Sept 16" est.

00024 00774 77774 77774

84 87 98 98 104

Est Met 086  
2/67Position 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	Parish Church.	Distance from gauge.	Direction

Station No. 5670RAINFALL at Cullen House Gardens

51

County of Banff Observer L. A. Ritchie Esq.River Basin Deveron & C. - 2Type of Gauge M.O.Annual Average 30.6 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S

30.2

File No. ....

Diameter ...	5.5"				8.25	26.9					
Height ...	1.2"					1					
Altitude ...	150'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.74	2.45	2.07	1.21	1.62	3.19	2.19	3.20	3.49	4.16	
February ...	3.22	1.80	1.81	1.77	2.14	1.77	2.31	2.60	0.27	2.21	
March ...	2.47	2.32	.38	1.30	1.66	.90	3.10	1.39	1.20	0.95	
April ...	2.74	1.16	2.03	1.02	1.22	1.90	.90	1.40	1.68	1.84	
May ...	0.89	1.30	1.70	4.47	3.76	.97	1.71	2.27	0.52	0.86	
June ...	1.73	2.79	3.88	2.76	1.78	2.97	2.09	1.65	0.91	3.42	
July ...	4.11	2.02	4.08	3.51	.41	6.17	5.25	5.48	2.36	2.74	
August ...	5.33	3.72	1.60	2.26	1.23	2.96	4.90	4.13	1.64	6.17	
September ...	.94	3.63	1.79	2.24	2.20	2.14	2.08	1.96	1.06	2.86	
October ...	.84	2.23	.70	5.16	4.64	2.88	1.60	1.52	3.51	3.69	
November ...	5.28	3.14	1.82	4.29	1.02	2.29	2.17	1.14	4.05	3.33	
December ...	2.42	2.88	2.62	3.96	5.46	3.57	3.58	2.17	2.42	1.11	
TOTALS ...	32.71	29.44	24.48	33.95	27.04	31.71	31.88	28.91	23.11	33.34	
	D	D	D	D	D	D	D	D	D	D	

NS(35)503656

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference NT305017

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-13. 15-19	20-22. 24-30	✓ last imp. 26	41.47. 46-50	
	-	D 26	✓ last d. 35-40	imp. 43. 45	
		d. 25. 27-30.		D 41. 42. 46-50	