

Polmaise

Sterling.

Forth, Rbank - 1.

YEAR - -	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	9.00	7.20	5.50	.60	2.50	5.00	4.50	6.00	
February - -	4.00	2.00	2.00	.70	4.00	1.60	1.50	4.50	
March - - -	.70	.90	2.00	2.00	1.50	3.20	2.30	4.90	
April - - -	.70	1.30	.40	1.30	1.70	2.50	.70	4.70	
May - - -	2.70	.50	3.00	1.50	3.20	2.50	3.90	.10	
June - - -	2.20	3.90	4.40	2.70	3.60	4.00	2.50	1.70	
July - - -	4.00	4.30	3.30	3.50	2.10	2.20	4.60	2.30	
August - -	4.00	4.40	2.00	3.40	4.20	2.30	3.50	2.00	
September -	2.50	3.00	2.20	.50	3.10	2.60	3.30	4.20	
October - -	3.00	6.00	3.50	4.20	1.50	2.10	5.60	3.40	
November -	6.00	3.00	3.50	1.50	.50	3.00	2.00	2.60	
December -	11.40	.60	5.00	3.20	5.00	4.50	4.50	4.60	
TOTALS -	50.20	37.10	36.80	25.10	32.90	35.50	58.60	41.00	

283 - Newspaper slip from J. B. Hamilton

Polmaise Gardens
W. Stirling

Murray Road
W. Hugh Gorrie

12 2386

6 in. + Ground 2 in. + Sea Level 8 feet
Forth, Rank - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	3.60	3.50	7.60	7.50	4.50	2.80	5.40	4.80	8.00	5.30	5.300	+
February - -	6.00	4.00	.80	3.00	3.80	4.80	6.50	3.80	5.10	5.20	4.300	
March - - -	4.20	4.90	4.20	2.00	3.80	1.70	2.50	1.50	4.20	1.10	3.030	
April - - -	1.00	.50	3.50	2.05	1.80	.60	2.00	6.00	4.10	1.25	2.280	
May - - -	1.00	1.00	3.30	2.00	1.50	2.20	.80	3.60	3.30	.80	1.950	-
June - - -	4.40	2.00	4.20	3.80	3.20	.20	2.00	2.20	1.50	2.30	2.560	
July - - -	4.50	5.10	4.30	.50	3.00	3.00	2.80	3.60	.60	2.00	2.940	
August - - -	6.50	7.60	3.00	3.70	1.50	4.20	4.50	3.50	5.00	1.00	4.050	
September -	1.20	5.00	2.50	3.80	4.30	.70	4.70	2.80	2.50	5.70	3.320	
October - -	4.20	4.30	7.50	3.50	3.00	4.70	2.50	5.00	4.00	2.10	4.080	
November -	3.00	5.70	2.70	2.50	3.00	3.00	3.20	1.10	3.00	3.10	3.030	
December -	3.00	3.00	5.70	4.50	2.60	4.70	5.60	2.50	7.00	6.00	4.460	
TOTALS -	42.60	46.60	49.30	38.85	36.00	32.60	42.50	40.40	48.30	35.83	41.300	

42.60 + 46.60 49.30 38.85 36.00 32.60 42.50 40.40 48.30 35.83 41.300

RAINFALL AT *Stirling Polmaise Gardens*

Lat.....

Lon.....

County of.....

Stirling

Rain Gauge, by.....

Observer

*W. George N. Ritchie**Fork, Rebank - 1.*

Diameter	6							6			
Height	2							1	9	1.3	
Altitude	12										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.80	3.60	5.00	7.50	4.20		3.10	7.60	3.60	2.75	
February.....	3.30	4.60	3.50	1.30	1.00		4.70	3.40	1.95	.60	
March.....	.60	2.80	2.60	2.00	3.10		4.80	1.05	1.20	3.45	
April.....	.60	4.30	2.40	.80	2.50		3.10	2.40	1.65	1.40	
May.....	2.70	1.30	3.80	2.40	2.00	2.30	2.25	2.10	5.10	2.10	
June.....	1.60	2.00	6.20	1.70	1.50		3.20	3.00	4.20	5.35	
July.....	1.30	4.10	3.20	4.70	3.00		2.00	3.70	.25	5.25	
August.....	1.00	3.20	4.80	4.20	4.00		3.60	6.40	2.50	6.30	
September.....	3.10	2.50	5.40	4.10	3.50		3.20	1.70	3.55	2.95	
October.....	3.50	3.10	3.00	5.50	6.90	3.80	6.10	7.00	3.70	1.60	
November.....	1.55	2.60	5.80	1.70	3.90	4.10	3.45	6.05	2.90	1.15	
December.....	3.60	4.00	5.70	3.10	2.00	5.40	8.00	3.80	1.25	3.05	
TOTALS.....	26.65	38.10	57.40	38.30	37.60	36.30	45.50	48.20	31.85	35.95	39.005

*Polmaise is situated in a level flat stretch of land
not many feet above high water.*

St Ninians church 2½ miles S.W.

1875 Jan-Sep estimated from Falkirk, Amott Hill

RAINFALL AT *Stirling Polmaise Gardens*

Lat. _____

Lon. _____

 County of *Stirling*

Rain Gauge, by _____

 Observer *W. Ritchie*
Forth, R. bank - 1.

Diameter	6										
Height	1.3							1.0		1.6	
Altitude	12										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.75	.55	3.75	5.90	6.70	3.05	4.70	2.15	2.50	2.20	
February	2.95	2.50	4.20	2.42	3.25	4.45	.90	2.90	.15	1.50	
March	2.75	1.20	4.25	1.20	3.50	1.90	3.20	1.60	3.85	.75	
April	3.40	.80	2.15	1.95	1.10	2.00	1.50	1.80	1.70	2.55	
May .....	.45	2.70	4.05	1.95	3.50	2.15	2.60	.45			
June .....	.80	3.05	3.05	2.05	.90	.55	1.10	.65	} 5.40		5.20
July	3.45	3.55	3.82	5.50	4.95	1.05	3.80	2.05			
August .....	.70	3.05	2.40	4.40	3.05	2.50	1.80	3.50	1.75	5.15	
September	3.45	2.60	3.23	1.95	2.65	3.80	} 9.75		3.90	1.80	.90
October .....	.50	3.65	4.82	3.90	4.30	3.75				2.20	3.30
November	4.15	5.35	4.28	6.05	3.20	1.70	3.22	2.90	6.60	1.60	
December	3.55	3.35	4.90	3.10	5.90	2.35	2.93	1.90	3.90	2.45	
TOTALS	27.90	32.35	44.90	44.37	43.00	29.25	35.50	23.80	35.20	25.60	33.787

1880. *St. Ninians* 3 miles *W.*

1882 Cabbages 16in high 3 $\frac{1}{2}$ all round

RAINFALL AT

Stirling Polmaise Gardens

Lat. _____

Lon. _____

County of _____

Stirling

Rain Gauge, by _____

Observer _____

Mr W.W. Fitchie

Toth, R. bank - 1.

Diameter	6										
Height	10				13						
Altitude	12										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.90	3.20	2.54	1.45	6.45	1.41	1.80	1.59	2.05	6.23	3.462
February ....	.50	.35	1.26	3.86	11.47	.13	1.37	2.65	2.45	3.05	2.709
March	1.90	2.31	.75	.95	3.29	2.26	3.24	5.05	.75	3.20	2.370
April	1.15	1.06	.60	.60	1.98	2.08	1.42	1.68	2.55	3.62	1.674
May	1.95	1.07	3.38	1.25	2.02	.41	.33	2.01	2.25	4.35	1.912
June	2.50	1.04	3.70	1.27	2.47	2.92	3.77	5.21	2.20	2.95	2.803
July	3.20	1.80	1.30	2.00	2.34	4.33	3.70	1.33	.70	3.50	2.420
August	3.30	5.70	6.40	3.13	3.91	5.95	2.05	6.05	3.60	1.30	4.139
September	3.11	4.40		1.90	.10	1.47	3.90	2.21	3.20	3.01	5.690
October	2.00	3.70	7.80	2.10	3.53	2.26	2.95	1.74	4.22	3.30	
November	6.15	4.55	3.57	1.95	2.50	3.95	.62	3.11	4.88	3.80	3.568
December	1.00	4.90	1.25	4.40	3.75	4.25	4.99	5.05	5.45	4.01	2.905
TOTALS	34.66	34.08	32.55	24.96	43.81	31.42	30.14	37.68	34.30	42.32	34.592

1890 St Ninians Church 3 miles SW

Strawberry 1 ft. hyl allround gauge

1880

RAINFALL AT Stirling Polmaise Gardens

Lat. _____ Lon. _____ County of Stirling

Rain Gauge, by _____ Observer M. W. W. Ritchie

Forth, E. bank - 1.

C Stirling Esq

Diameter ..	6											
Height	1	0										
Altitude ..	12											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	5.00	2.50		7.40	3.42	1.28	4.80	1.55	4.22			
February ..	2.90	.85	3.10	6.70	3.03	1.62	2.54	2.67	2.49			
March ....	.60	2.30		7.82	1.90	4.43	2.95	3.10	3.95		
April	1.85	2.30	.60	.40	3.55	.88	.70	1.55	1.45			
May	2.25	1.50	1.50	1.20	2.92	1.70	5.46	4.63	2.65			
June	3.70	2.13	1.87	2.85	1.33	1.42	1.85	5.55	1.65			
July	2.60	1.61	2.50	4.25	2.35	2.23	3.05	2.38	3.06			
August	2.40	3.55	2.20	4.65	3.70	4.70	5.20	4.85	4.61			
September..	3.34	2.60	2.10	3.05	3.15	1.32	1.77	1.15	4.70			
October....	4.60	3.40	2.10	8.30	1.55	2.28	5.12	4.70	2.55			
November..	4.63	2.20	2.68	1.62	2.15	4.17	3.20	2.25	2.79			
December ..	7.45	3.95	5.20	2.60	3.25	2.90	2.55	6.05	3.29			
TOTALS ..	41.32	28.89	23.85	50.84	32.30	28.93	39.19	40.43	37.41			

1900 St Ninians Church 3 miles S.W.

1902 Jan Feb + March Snow probably short

1903 Stirling Station 3 miles N

1904 Bannockburn Station 2 1/2 miles S

1906 Trees 6-9 ft high 15-18 yards SE + SW

Wall 10 - - 20 - NE

Average computed x 11/36 from records 1881-1908 registered as Tides.

- ref. Survey.

RAINFALL at Stirling, Polmaise CastleCounty of Stirling Observer G. Stirling Esq.River Basin Forth - Right bank tribs - 1

Rain Gauge, by _____

Diameter ...			6								
Height				1.3							
Altitude ...			200	220							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			3.95	4.95	4.00	2.40					
February ...			3.73	4.38	5.02	7.97					
March			5.13	6.50	5.59	2.00					
April			1.10	3.70	2.20	3.00					
May			1.55	3.10	2.00	1.75					
June			4.50	3.65	.41	1.60					
July			2.22	.70	3.19	3.10					
August			4.10	1.78	3.55	3.86					
September ..			2.40	2.88	1.55	1.90					
October ...			4.45	3.00	1.40	4.95					
November ..			4.55	6.35	5.85	2.55					
December...			10.75	2.48	9.72	5.02					
TOTALS ...			48.43	43.47	44.48	40.10	NO.	NR			

2 miles South of Stirling.

1913 Trees 50 ft. high 63 ft. N
 1914 Trees 40 ft. high 60 ft. N.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913			Stirling	2 m	NE	St. Ninian	1½ m	E
			(1914)	3 m	N	(1914)	2½ m	N.E.

RAINFALL at Polmaise Castle Gardens.County of Stirling Observer James M'AndieRiver Basin 1-7th. Right Bank.Type of Gauge M.O.

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

Diameter	5"										
Height	1' 11"	1' 1"									
Altitude	220'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.70	7.17	5.59	7.61	1.77	5.76	5.24	8.68	4.69	1.60	
February	3.06	1.06	3.19	3.1	4.31	1.92	5.01	2.14	6.26	1.95	
March	1.06	2.25	2.94	3.39	1.52	3.07	2.98	3.03	3.57	4.07	
April	2.57	4.88	1.55	3.68	3.87	1.51	2.21	4.9	2.26	3.77	
May	5.96	3.81	2.33	1.96	3.0	1.20	2.51	4.57	1.41	1.63	
June	6.27	1.74	1.08	2.35	4.96	1.98	2.12	5.74	2.35	1.64	
July	4.81	2.91	3.61	2.64	1.88	4.29	3.45	4.38	5.15	5.06	
August	2.13	1.97	2.22	5.50	2.14	2.70	3.96	2.52	1.46	1.21	
September	1.37	3.68	1.94	5.69	7.11	5.09	3.01	4.39	2.25	2.50	
October	3.10	6.05	3.90	7.17	9.76	4.81	4.39	9.03	2.92	5.52	
November	8.76	3.46	2.81	1.93	4.24	3.60	1.69	8.67	8.75	6.32	
December	3.78	9.99	1.79	6.02	2.99	6.61	(3.39)	3.94	2.32	4.80	
TOTALS	46.57	46.97	30.95	47.25	43.85	42.54	38.46	57.58	43.39	39.07	
		2.2	d.	d.	3.2	d.	d.	2	D	d.	

1931. Zero 40' high 23 yds. N.

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

Date.	Lst. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			<u>Stirling</u>	<u>2½ m.</u>	<u>N.E.</u>	<u>St. Mary's</u>	<u>1½ m.</u>	<u>E.</u>

Station No. 5357/3RAINFALL at Polmaise Castle Gardens

51

County of StirlingObserver Mr. P. CoplandRiver Basin South-Night Bank - 1Type of Gauge LondonAnnual Average 47.08 in. based on 21 years obs. un-weighted. Period of average 1916-59 Ref. S.File No. 1916-59

Diameter ...	5 ^M				894	345					
Height ...	1 ^d /1 ^M					1					
Altitude ...	220 ^o					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	-1.00	4.05	.91	-1.00	2.81						
February ...	1	.48	1.35	1	2.66						
March ...		3.71	2.12		2.46						
April ...	-1.00	1.78	2.03	-1.00	2.28						
May ...	1.61	2.48	2.43	4.68	3.58						
June ...	2.33	2.57	2.67	2.58	1.49						
July ...	4.50	2.58	5.64	1.75	.89						
August ...	5.91	5.15	2.55	4.04	1.23						
September ...	3.23	2.13	5.53	5.80	3.18						
October ...	-1.00	4.36	2.41	9.63	3.22						
November ...	6.73	1.93	-1.00	8.33	2.35						
December ...	4.02	3.88	-1.00	6.76	8.06						
TOTALS ...	-1.00 inc np, inc	35.10 d	-1.00 inc np	-1.00 inc np	34.21 d						

1952 Print.

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

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

Summary of Earlier Records from 10-year Sheets :

2026

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 19.2-15		✓	✓	
	-		✓ last 21, d 32-37, 40	✓ last 41-43, 45-49	