

Rainfall at Stromvar Perth
Observer D Carnegie Esq

S. Ly. 50
Perth.

Forch, Feb - 3.

YEAR - -				1854	1855	1856	1857	1858	1859	MEANS.
January - -				5.50						
February - -				3.25						
March - - -				2.25						
April - - -				.50						
May - - - -				3.50						
June - - - -				4.50						
July - - - -				2.50						
August - - -				2.75					5.28	
September -				2.75					9.90	
October - - -				5.25					4.70	
November -				3.75					9.30	
December -				6.75					8.80	
TOTALS -				48.25	43.25					

x 2
Stromvar Campbellton

4 11-9

1854? small (vii.13)

Shower

Lock Earn Head Perthshire

D. Carnegie Esq^r

41 in 64

463 64

+ Ground 3 inches at Sea Level 460 ft 63

865

Forth, Perth - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	8.05	6.15	12.10	15.70	8.50	8.30	14.95	5.75	13.40	10.37	10.527
February - -	6.45	11.20	2.64	8.15	5.80	4.55	11.05	9.65	13.55	10.27	8.331
March - - -	10.35	11.90	8.82	4.50	6.52	2.93	8.67	3.10	11.47	7.15	7.541
April - - - -	2.65	.70	8.10	7.20	3.45	1.60	5.80	9.52	6.30	3.30	4.862
May - - - - -	5.45	1.20	6.15	2.80	1.85	5.58	1.60	3.30	5.80	1.25	3.498 -
June - - - - -	9.55	4.20	7.40	5.40	5.67	.85	3.92	3.20	2.52	3.45	4.616
July - - - - -	2.00	4.65	7.09	.40	5.45	4.10	3.35	6.20	1.05	4.20	3.929
August - - -	6.70	12.85	4.00	7.76	2.45	6.30	7.60	4.55	8.50	1.05	6.176
September -	3.65	8.50	3.78	9.26	10.25	2.10	11.95	4.00	3.90	11.85	6.952
October - - -	11.06	8.40	13.16	7.46	5.25	5.55	6.45	9.30	9.20	4.67	8.250
November -	4.38	11.20	5.35	8.92	8.73	6.30	6.25	2.30	6.60	4.67	6.470
December -	4.25	7.70	17.25	12.25	7.75	13.95	12.70	5.70	17.30	13.95	11.280 +
TOTALS -	75.64	88.65	97.84	89.80	71.67	62.11	94.29	66.57	101.57	76.18	82.434

The fall in 1866 (94.29) is 50 per cent more than /65 = 62.11 the greatest in the last 7 y^r. was 97.84 in /62

RAINFALL AT *Stromar*

Lat.

Lon.

County of *Perth*

Rain Gauge, by.....

Observer *A. Buchan**For. For. - 3.*

Diameter												
Height												
Altitude												
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	8.05											
February.....	7.72											
March.....	6.90											
April.....	4.70											
May	2.12											
June.....	2.82											
July	7.70											
August.....	5.75											
September.....	2.55											
October.....	8.25											
November.....	5.45											
December....	12.30											
TOTALS	74.31											

See next sheet! but one

RAINFALL AT *Shonar Balquhader*

70

Lat.....

Lon.....

County of.....

Perthshire

Rain Gauge, by.....

Observer.....

Rev. A. M. McGregor
1875 Mr. P. Colquhoun

Fork, Inch - 3.

Diameter.....												
Height.....												
Altitude.....												
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....					11.10	15.40	10.10	13.30	7.10	2.24	9.74	
February.....					3.42	2.68	6.60	6.60	5.15	3.66	6.04	
March.....					8.47	3.50	9.60	3.45	4.35	7.63	5.60	
April.....					6.04	2.95	2.90	4.55	4.05	2.36	3.58	
May.....					3.10	5.67	.85	4.90	7.80	2.14	4.34	
June.....					3.10	4.70	6.70	8.60	3.80	6.45	5.52	
July.....					7.72	2.45	3.65	5.15	.70	5.73	4.84	
August.....					7.96	6.52	5.70	7.75	6.30	9.40	6.52	
September.....					10.60	6.00	3.60	3.95	8.00	9.33	7.08	
October.....					16.40	8.90	9.75	13.50	10.40	2.67	9.31	
November.....					7.17	6.40	3.50	15.90	2.60	2.09	6.73	
December.....					3.40	11.30	11.25	11.00	8.11	6.93	8.40	
TOTALS.....				(1500)	88.48	76.47	74.20	98.65	63.36	60.63	77.70	*

* est Glasgow Water 1914

1874 B. gives June 3.55 July 8.17 Aug 6.96 Dec 3.85 Total 88.83

* Average computed from Loch Dhu + Loch Drunkie

RAINFALL AT *Balquhiddex Stronvar*

Lat. _____

Lon. _____

County of *Porth*

Rain Gauge, by _____

Observer *J. Dickson, Esq.*

Fork, Teith - 3.

Diameter	5								6		
Height	1. 0										
Altitude	420				422T						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	6.20	1.12	10.17	12.42	12.73	7.08	11.29	9.53	8.29	7.36	8.613
February	10.13	5.42	8.85	12.28	12.20	13.56	3.32	8.93	.84	4.73	8.026
March	4.47	6.35	10.70	4.60	7.94	5.66	6.35	2.57	4.62	2.77	5.603
April	6.85	2.01	3.06	4.04	2.30	4.92	5.86	2.28	3.54	4.90	3.976
May	2.53	4.07	5.60	4.47	6.85	3.90	4.03	.69	8.45	5.02	4.561
June	2.73	6.30	6.83	3.35	1.69	1.99	2.03	1.88	4.32	1.56	3.268
July	5.03	6.07	8.14	5.16	6.82	2.86	4.77	4.60	6.77	1.78	5.200
August	2.14	5.78	5.43	5.89	5.66	5.51	3.54	4.63	5.11	6.16	4.985
September	4.87	3.28	5.43	3.65	6.44	11.49	10.59	5.10	1.06	1.57	5.345
October71	6.17	6.68	10.20	9.33	5.95	7.35	3.62	7.85	6.11	6.397
November	11.65	15.64	10.20	11.62	10.08	5.31	7.76	6.57	13.88	3.31	9.641
December	5.93	8.69	8.72	7.48	12.29	6.62	5.96	6.17	8.32	8.03	7.821
TOTALS	63.24	71.10	89.81	85.16	94.30	75.05	72.84	56.57	73.05	53.24	73.436

1880. *Balquhiddex* $\frac{1}{4}$ mile *N*
Trees 40 ft high 80 ft NE

RAINFALL AT *Balquhiddar Stronvar*

Lat. _____

Lon. _____

County of *Perth*

Rain Gauge, by _____

Observer *J. Dickson Esq*
J. Carnegie Esq

Form, Feb. - 3.

Diameter	6										
Height	1 0										
Altitude	422 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	18.40	6.64	7.37	5.68	14.92	3.31	4.82	2.54	7.64	9.63	5.095
February	1.51	2.01	2.88	8.92	16.79	.99	4.00	8.13	8.70	6.83	6.076
March	6.36	5.86	2.27	2.59	7.55	5.01	8.79	11.12	3.25	7.06	5.986
April	2.58	2.91	1.75	1.44	2.27	7.20	3.59	5.47	6.97	6.80	4.098
May	3.28	2.65	5.69	3.71	3.08	1.00	.85	4.47	2.67	4.20	3.160
June	7.24	2.58	5.05	2.51	3.51	2.42	5.59	5.74	3.28	2.34	4.026
July	5.15	2.86	4.43	3.95	5.78	5.58	4.62	3.71	1.67	4.58	4.233
August	3.66	8.08	10.80	6.12	4.99	8.65	3.49	11.93	6.91	2.08	6.671
September....	7.35	9.07	10.01	4.54	.21	2.94	7.90	5.49	7.39	7.30	6.220
October	6.52	12.89	6.24	7.23	4.61	2.94	7.18	5.33	6.84	7.22	6.700
November....	11.80	7.51	8.96	4.24	8.62	11.68	3.12	5.82	10.62	13.73	8.610
December	1.43	13.04	3.22	10.68	8.62	9.10	10.52	10.94	18.01	5.53	9.109
TOTALS	75.28	76.10	68.67	61.61	80.95	60.82	64.47	80.69	83.95	77.30	72.984

1891 *Balquhiddar 1/2 mile N*
Trees 40ft high 60ft NE

1880 -

RAINFALL AT Balquhadden Stronwan

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer J. Carnegie Esq

Forth . Tenth - 3.

for Dickson

Diameter ..	6						5				
Height	10										
Altitude ..	422										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	11.57	5.62	7.99	16.38	8.40	5.43	12.96	4.09	9.09	10.24	9.077
February ..	4.66	1.72	2.03	15.73	6.32	4.78	4.03	7.68	5.07	3.65	5.567
March90	5.26	5.83	18.31	4.82	8.48	5.70	6.05	8.40	2.65	6.640
April	4.70	6.18	5.40	2.04	9.79	3.83	2.58	4.30	1.63	7.24	4.769
May	8.02	3.68	3.43	2.28	5.38	3.12	5.36	5.01	3.38	5.29	4.495
June	5.49	6.33	2.43	3.44	4.71	2.83	1.19	6.64	3.98	2.45	3.940
July	3.26	4.51	2.94	5.63	4.71	3.35	4.50	2.34	5.53	3.28	4.005
August	5.21	5.14	3.47	10.69	7.74	7.34	7.61	8.25	6.24	3.64	6.533
September ..	6.80	8.43	5.33	6.44	7.60	4.50	3.26	1.91	10.15	2.55	5.697
October	8.09	7.11	5.41	15.58	4.29	4.80	10.82	5.67	2.74	14.05	7.856
November ..	6.59	4.75	7.12	5.44	2.63	10.38	7.57	5.53	7.37	5.03	6.241
December ..	19.44	10.27	9.87	8.06	9.57	7.66	4.91	9.06	9.75	7.44	9.603
TOTALS ..	84.73	69.00	61.25	109.02	75.96	66.50	70.49	66.53	73.33	67.51	74.432

1900 Balquhadden Church $\frac{1}{4}$ mile N N E

Trees 40 ft high 8 ft N E.

1905 Balquhadden 3 miles N E

1907 New observer during 1907 & obs. probably considerably better from about the middle of the year.

RAINFALL at

Balquidder, Stronvar

5526.

County of

Perth

Observer

J. Carnegie Esq.
per. P. Dickson

River Basin

Forth, Keith

3

Copper Snowden

Rain Gauge, by

funnel 5.00 above. glass broken; 01-30 correct.

Diameter ...	5												
Height	1	0											
Altitude ...	422	T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	9.64	5.15	8.89	8.22	7.22	6.19	11.79	2.60	7.80	6.92		1916	31.91
February ...	9.32	12.31	8.23	6.59	13.83	11.89	9.77	1.12	13.13	(1.15)		1919	28.17
March	5.42	2.59	8.23	10.86	8.19	3.07	2.25	3.43	2.65	6.00			14.33
April	7.52	6.19	3.26	7.16	6.15	4.83	6.32	1.95	1.42	3.45			13.14
May	2.83	5.53	2.58	6.64	2.55	1.85	5.36	3.20	2.96	1.43			12.95
June	3.50	4.74	8.06	5.21	1.40	1.76	2.45	2.65	3.65	4.55			13.30
July	7.67	3.62	2.98	.50	3.24	3.35	11.48	1.82	3.75	1.20			11.25
August	10.72	7.12	4.70	1.48	5.05	4.13	2.96	8.08	4.20	3.62			18.86
September ..	1.65	2.60	3.49	4.91	2.70	3.15	1.31	6.00	8.03	5.70			21.04
October ...	3.92	5.15	8.20	6.33	2.22	4.23	12.46	11.83	11.62	1.39			37.30
November ..	4.00	11.26	7.43	10.56	10.05	3.43	10.79	11.66	9.49	7.41			29.35
December ...	9.20	14.24	24.95	6.52	13.50	7.44	8.08	3.68	7.33	12.58			21.67
TOTALS ...	75.39	80.50	91.00	74.98	76.10	65.32	81.02	58.02	76.03	(53.20)	72.56	270.22	

1919 Feb estimate

Inspected by 1911.13. Good copper Snowden (run 24 in. deep) on brass edge. In wire enclosure. Belt of trees 20ft high 45ft NE-S + remainder of circle say 50 ft. distant + 30ft high. G. stand on level meadow, exposure good.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Balquhiddy, StronwarCounty of PerthObserver J. Carnegie Esq per S. DicksonRiver Basin Forth, Perth 3J. Gault. (1926)

Copper Snowden Rain Gauge, by _____

Diameter ...	5			5								
Height	1.0			1.0								
Altitude ...	422			422								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	11.83	12.71	(10.00)	8.38	6.30	8.28	13.98	11.91	17.07	2.42	14.85	114.23
February ...	15.50	1.81	(8.42)	7.70	1.59	6.21	5.60	3.13	8.33	1.93?	.86	63.08
March	8.75	12.40	(3.33)	3.70	.60	2.08	6.39	5.54	7.01?	.72	12.64	55.16
April	2.82	1.24	(3.60)	3.87	3.14	6.84	3.10	3.94	2.82?	1.40	1.43	34.20
May	7.92	(4.98)	5.19	2.60	5.88	10.32	4.26	2.57	14.7	5.06	3.09	53.34
June	2.15	.60	(3.24)	1.60	2.56	.46	4.52	4.78	5.06	2.78	2.33	30.08
July	4.98	4.78	5.32	4.53	7.07	2.55	2.64	5.50	4.13	4.12	3.43	49.15
August	5.27	5.88	3.62	6.86	5.03	4.54	4.87	8.09	6.21	6.73	5.66	62.76
September...	3.59	(3.60)	(3.10)	10.12	8.88	3.39	2.94	6.83	4.84	1.90	5.33	24.62
October	5.41	(4.25)	3.39	11.89	5.33	7.03	4.73	8.31	11.48	8.77	11.63	82.22
November...	9.50	3.78	(4.02)	5.35	4.98	.72	10.61	7.97	7.44	10.02	6.62	71.01
December...	7.07	10.41	7.62	3.67	12.91	5.06	2.51	2.09	8.04	15.40	6.63	81.41
TOTALS...	84.79	(66.40)	(60.85)	72.27	64.27	57.48	66.15	70.66	85.90?	61.25?	66.00	

1920. Gauge inspected 1913.
 1922. Jan. entirely cald. & small interpolations in other months, probably short
 1925. Record 20-30 per cent too low. N.E.
 1926. Not printed - low
 1927 Feb. low (1 mi)

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Balgulhider (Stonwar)County of Perth Observer J. G. GiesRiver Basin 3. Forth-Tick J. R. Henderson, Esq.

Type of Gauge.....

Annual Average 74.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.M.

Diameter	5										
Height	1. 0.										
Altitude	422										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.79	4.98		12.20	2.39	4.50	10.55	12.61	5.15	1.49	
February	5.71	.00		.55	6.94	3.45	6.55	6.70	8.90	3.96	
March	2.10	3.06		3.76	2.72	4.05	3.60	7.42	6.43	5.46	
April	2.68	4.65	2.76	4.32	3.15	2.38	1.12	.65	3.55	5.36	
May	5.93	2.58		3.58	.37	2.33	3.74	4.37	1.33	1.09	
June	6.31	1.85	2.40	2.42	5.26	1.71	3.25	7.67	3.72	7.4	
July	6.67	5.48	3.44	3.40	1.52	7.95	5.07	4.62	7.68	4.21	
August	2.39	3.22		5.95	3.18	4.02	3.45	2.63	2.54	2.32	
September	2.30	4.24		9.71	10.29	4.12	5.25	5.07	3.31	4.09	
October	5.56	6.29?		8.45	15.19	8.67	3.10	12.60	5.12	9.69	
November	11.93	5.75		2.10	8.22	4.82	1.08	14.45	12.40	10.03	
December	6.19	9.93	1.65	11.24	4.55	14.37	3.12	6.75	3.48	8.61	
TOTALS	62.56	61.93	imp.	67.68	63.78	62.37	49.88	85.54	63.61	57.05	

1932. The record was some 15" too low. The months shown above were accepted & the remainder rejected as incomplete.

1934 - w/p low. Observer buying new gauge.

1935 New g. Aug. 1935.

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

RAINFALL at Balquhider (Stonovan) Station No. 5526

41

County of PertObserver J.R. Henderson Esq.River Basin 3 - Forth - TaitM. J. L. Stalker Jan Oct 1941

Type of Gauge

A. M. Spence Esq. (April 1944)Annual Average 7.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.

File No.

Diameter	5"				891	603					
Height	1'0"					1					
Altitude	422'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.49	6.13	10.49	9.34	2.04	9.73	9.68	8.57	6.88	6.46	
February	7.81	(2.63)	8.31	2.50	10.72	5.03	1.01	8.72	8.18	9.58	
March	2.17	3.39	3.27	1.12	6.69	4.51	4.90	8.07	2.85	5.24	
April	2.21	5.03	5.55	4.59	2.81	2.35	13.20	4.56	6.92	4.75	
May	3.06	6.47	3.65	6.57	5.67	1.70	6.51	1.80	3.51	2.61	
June	0.62	2.47	(6.12)	5.01	5.71	5.21	5.23	6.20	2.33	2.77	
July	3.32	5.80	3.37	3.02	4.50	4.71	5.23	5.85	1.94	8.18	
August	4.25	8.62	10.87	4.94	1.98	5.40	.00	10.21	5.87	9.48	
September	2.16	10.39	5.89	5.19	9.00	9.40	6.88	9.39	2.67	12.58	
October	6.91	9.24	16.77	7.40	7.12	.75	5.15	10.22	16.05	8.84	
November	7.89	1.51	4.54	9.26	.55	9.27	10.90	4.93	7.45	5.51	
December	6.04	14.25	3.10	9.26	8.42	8.02	2.64	13.50	13.44	2.92	
TOTALS	47.93	75.93	81.93	68.20	65.21	66.08	71.33	92.02	72.09	78.92	
	<u>d</u>	<u>d</u>	<u>d</u>	<u>d</u>	<u>d</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	

Feb adj. for snow. 01004
 1943 June adj. from nearby stns.
 1945 Greenhouse 18' high 15" E Wall 12' high 18" ENE Copse in a semi-circle 12' high 13 yds N (a larch tree 60-75' high 50" diam)
 1948 high? 2000 ft

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.
1945			Balquhider	4 1/2 m	E	Balquhider	1/2 m	E

BRITISH RAINFALL ORGANIZATION

Station No. 5576RAINFALL at Balquhiddie (Stronvar)

51

County of PerthObserver Major G. Fullerton-GarnieRiver Basin Forth-Forth-3

Type of Gauge.....

Annual Average 74.2 in. based on 25 years obs. or weighted. Period of average 1881-1915 Ref. B.F.N.

File No.

Diameter ...	5"				891	603						
Height ...	10"					1						
Altitude ...	422'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	7.15	5.06										
February ...	4.87	1.51										
March ...	4.13	6.22										
April ...	5.74	3.53										
May ...	1.94	2.89										
June ...	3.26	4.84										
July ...	3.75	2.74										
August ...	7.95	6.27										
September ...	6.42	3.36										
October ...	2.22	7.46										
November ...	12.92	2.23										
December ...	9.62	-100										
TOTALS ...	69.97	-100 inc n.p.										

1952. House sold. No returns meantime.

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 :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ 10.14 except 14, 17, 19	✓ 20. 22, 23-28, 30	✓ Imp. 33 n.p. 34-35 d 32, 36-60	✓	✓ but d 41-64