

Loch Vennachan
J. W. W.

Perth.

0 in + ground o. bin + Sea Level 275 feet
Forth, Perth - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	7.60	10.60	10.00	6.20	4.40	8.00	5.00	9.30	8.60		
February - -	6.70	1.90	6.10	6.00	6.80	8.20	6.70	6.90	6.00		
March - - -	8.80	3.00	3.20	4.30	2.30	2.80	1.80	6.30	1.90		
April - - -	.10	6.10	5.70	2.90	1.20	2.90	7.20	3.90	2.30		
May - - -	.70	5.10	3.20	1.80	3.60	1.50	3.50	4.30	.90		
June - - -	4.60	4.20	4.10	5.20	.70	2.60	2.30	1.70	2.40		
July - - -	5.20	6.20	.20	3.70	4.30	4.00	6.20	.90	3.80		
August - -	12.30	4.10	5.60	2.70	6.20	7.90	4.50	8.20	.60		
September -	7.10	3.10	6.10	8.70	1.50	8.50	4.20	2.60	9.40		
October - -	6.30	11.20	4.70	3.40	5.00	4.00	7.30	7.60	3.80		
November -	8.40	4.30	5.10	4.60	4.00	4.50	1.40	3.90	6.10		
December -	4.90	9.20	7.50	6.00	6.20	9.00	5.10	9.90	7.70		
TOTALS -	72.70	69.00	61.50	55.50	46.20	63.90	55.20	65.50	53.50		

c c c c c c c c

RAINFALL AT *Lock Katrine Loch Venonachar*

Lat.

Lon.

County of ...

Pentth

Rain Gauge, by,

Observer

Glasgow Water Works

Form. Tent - 3.

Diameter	8											
Height	6											
Altitude	275											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	4.30	5.30	10.20	11.90	6.30	11.10	6.50	9.00	6.30	1.80	7.22	
February	5.30	6.20	7.20	1.20	2.20	2.10	5.90	6.40	3.30	3.90	4.37	
March	1.20	4.50	5.00	2.60	5.60	3.20	6.60	2.50	2.00	6.10	3.93	
April	2.00	5.00	1.90	1.40	3.60	2.20	3.00	4.20	3.50	2.30	2.91	
May	5.20	1.30	3.00	3.40	1.80	3.40	.80	4.10	6.60	3.00	3.26	
June	1.50	1.90	8.70	3.40	2.40	3.60	4.70	5.90	3.20	6.50	4.18	
July	1.90	6.30	5.90	7.70	4.50	2.10	2.60	4.90	.90	4.90	3.97	
August.....	-.90	4.70	7.90	6.20	5.40	4.80	4.70	7.00	5.70	5.80	5.31	
September.....	4.70	2.50	7.80	4.40	8.30	6.80	4.00	2.60	6.30	7.30	6.47	
October.....	7.00	5.70	4.70	7.30	10.90	6.60	8.90	11.60	6.40	2.40	7.15	
November.....	2.10	6.40	8.70	3.20	5.80	4.90	4.70	10.70	2.30	1.70	6.05	
December.....	3.00	6.30	9.10	5.30	1.50	8.60	10.10	10.40	3.20	4.80	6.23	
TOTALS	39.10	56.10	78.10	58.00	58.30	59.40	62.00	70.30	49.70	50.50	59.25	

RAINFALL AT Lock Tennachar

Lat. _____

Lon. _____

County of Porch

Rain Gauge, by _____

Observer J. M. Gale, Esq., C.E.

Form, Serial - 3.

Diameter	8										
Height	0.6										
Altitude	275										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	4.40	5.50	8.00	9.80	9.90	6.20	6.30	6.70	5.50	4.00	6.160
February	5.70	5.90	7.00	5.90	6.30	8.50	2.80	4.80	5.5	3.40	5.085
March	3.40	4.10	6.70	2.20	5.80	5.20	5.70	2.45	3.80	2.00	4.135
April	4.40	1.40	2.70	3.50	2.20	2.00	2.80	2.50	2.60	4.30	2.840
May	2.40	3.90	3.40	3.90	6.00	3.10	3.80	5.0	5.20	5.00	3.720
June	2.70	5.50	5.40	3.80	2.10	2.10	1.90	1.55	4.75	1.30	3.210
July	3.60	5.60	9.00	4.20	6.10	2.70	4.10	4.00	7.20	2.25	4.875
August	2.20	5.60	5.00	6.40	5.90	4.60	3.40	4.90	4.75	7.00	4.995
September	3.80	3.50	6.10	3.40	4.60	10.50	7.60	4.10	9.0	1.20	4.570
October .....	.70	4.50	6.70	6.70	6.60	4.40	6.00	2.00	4.70	5.00	4.730
November	7.10	8.80	8.00	10.60	6.60	3.70	4.90	5.40	8.85	2.80	6.675
December	5.30	5.60	7.50	6.80	10.20	3.80	5.20	4.40	6.80	5.40	6.080
TOTALS	45.70	55.40	76.50	67.20	72.30	56.60	54.50	43.30	55.60	43.65	57.075

1356

1886 April corrected by originals to 17.4.

RAINFALL AT *Loch Vennachan*

Lat. _____

Lon. _____

County of *Pert*

Rain Gauge, by _____

Observer

*J. M. Gale Esq. C.E.**Forth, Feik - 3.*

Diameter	8											
Height	0 6											
Altitude	275											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	9.70	5.60	4.90	3.60	8.15	1.45	3.35	1.70	4.30	8.10	5.085	
February ....	.80	1.40	2.00	6.50	10.60	.45	3.20	4.50	5.30	5.40	4.015	
March	4.20	3.60	2.00	1.80	5.25	4.80	6.50	7.20	2.00	5.55 4.290	4.290	
April	2.10	2.00	1.90	1.70	1.50	3.90	3.00	3.30	3.65	5.70	2.875	
May	3.10	3.00	5.40	2.30	2.50	.70	.70	3.00	2.20	4.10	2.700	
June	5.70	1.80	5.50	2.30	3.50	2.50	4.70	6.70	3.30	2.80	3.280	
July	4.55	2.10	3.75	3.60	8.70	5.50	3.90	2.70	1.35	3.60	3.175	
August	4.20	7.30	9.40	5.40	5.45	8.90	2.55	8.10	6.70	2.00	6.000	
September....	6.40	7.50	7.00	2.30	.10	2.10	6.80	3.80	6.00	4.20	4.620	
October	3.75	6.35	4.90	5.80	3.80	3.00	4.00	2.80	4.80	4.70	4.390	
November....	9.00	6.80	6.30	3.80	5.65	6.40	1.90	5.15	6.00	6.00	5.700	
December	1.40	8.70	2.90	7.30	6.20	5.30	7.45	7.00	9.30	5.35	6.090	
TOTALS	54.90	56.15	55.95	46.40	56.40	45.00	48.05	55.95	54.90	57.50 57.20	53.120 53.100	

1899. March corrected by J. R. Sutherland xii.14

RAINFALL AT Loch Vennachan

Lat. Lon. County of Perth
 Rain Gauge, by Observer J.M. Gale Esq. Ch.
J.R. Tetherland Esq. C.E.
Form - 22th - 3.

Diameter ..	8										
Height	0	6									
Altitude ..	275										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.50	3.25	3.50	8.20	5.60	2.50	6.35	2.80	6.70	8.30	5480
February ..	4.20	2.00	2.20	7.40	5.00	2.40	3.25	4.80	2.95	1.90	3610
March ....	.30	3.15	3.25	9.00	2.70	6.70	3.00	4.40	5.00	1.30	3880
April	3.10	4.70	1.70	1.00	6.20	3.10	1.45	2.50	1.40	5.30	3045
May	5.00	2.40	1.90	1.60	4.50	2.60	5.70	4.90	3.80	4.40	3680
June	6.70	4.20	2.70	3.70	2.60	1.80	1.20	5.80	3.35	2.55	3460
July	4.10	4.70	3.40	7.00	3.30	3.30	3.30	3.00	5.00	3.30	4040
August	5.10	3.90	3.30	8.80	7.30	6.90	7.45	7.15	4.20	3.45	5755
September ..	4.80	4.90	3.90	4.70	5.80	3.10	2.70	2.10	9.40	1.75	4315
October	6.10	5.10	3.70	11.00	3.30	4.10	7.30	3.90	2.20	8.85	5555
November ..	7.10	2.20	5.60	3.10	1.60	6.30	4.40	2.90	4.60	3.00	4080
December ..	10.80	5.60	6.35	6.50	6.50	3.80	3.20	7.70	6.30	7.20	6395
TOTALS ..	64.80	46.10	41.50	72.00	54.40	46.60	49.30	51.95	54.90	51.30	58295

46.70

1904 Dec. } Corrected by originals 211.74
 1905 Jan. }

Handwritten mark

RAINFALL at

Loch Venupachar

County of Perth

Observer J. R. Sutherland Esq. & Co.

River Basin Forth, Teith 3.

Copper Hoat Rain Gauge, by

Funnel $\left\{ \begin{array}{l} 7.98 \\ 7.98 \\ 8.05 \end{array} \right\} = 8.005$

Diameter ...	8										
Height	0 6				1 0						
Altitude ...	275										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Sums Means. 16-19
January ...	6.30	3.80	4.90	6.30	4.50	3.90	(9.50)	2.05	6.65	5.45	24.15
February ...	6.00	9.90	6.00	5.10	9.20	8.50	6.20	.80	8.95	.70	16.65
March	2.60	1.80	7.60	10.70	6.80	3.30	1.55	2.35	1.90	4.95	10.75
April	4.50	3.70	1.60	4.20	4.15	3.85	3.65	1.55	1.45	2.70	9.35
May	1.90	2.90	2.00	5.30	2.35	1.80	4.70	4.95	2.95	1.60	14.20
June	3.00	3.15	6.70	4.25	1.20	1.70	3.05	3.60	1.35	3.20	11.20
July	6.00	3.50	3.10	.45	3.25	4.30	3.90	1.25	4.05	1.65	10.85
August	11.80	5.60	6.30	1.60	4.85	4.35	4.70	8.60	3.45	3.30	20.05
September ..	1.65	2.75	3.00	3.40	2.50	1.60	1.10	4.55	6.40	4.60	16.65
October ...	3.00	4.70	7.20	3.65	1.50	3.80	9.55	9.70	7.35	1.30	27.90
November ..	4.40	8.70	5.70	8.00	7.35	3.35	6.30	8.40	6.35	4.80	25.85
December ...	4.90	9.30	16.00	4.10	8.75	6.20	6.80	2.65	6.80	10.65	26.90
TOTALS ...	56.05	59.80	70.10	57.05	56.40	46.65	(61.00)	50.45	57.65	45.40	214.50

1916 Jan est.

Inspected c.s. 2 VII. 13. Copper Hoat g. Hole $\frac{1}{4}$ in diam. for rod & no pipe. Snowden
 rain only 2 in deep & no brass edge. g. in circular iron soil enclosure
 4 ft high (open) 18 in diam. Good exposure in flat garden. Plantation
 30 ft high 35 ft. S. Hated g. 0.00 to 3.30 in. & found perfectly correct with rod.

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

RAINFALL at Loch VennachanCounty of PerthObserver J. R. Sutherland Esq. C.E.River Basin Forth, Tith 31926 G. Henshaw Esq. C.E.

Copper Forest Rain Gauge, by _____

Diameter ...	8			8								
Height	0	6		0	6							
Altitude ...	275			275								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	7.50	8.75	7.40	6.70	6.90	6.55	10.30	6.90	16.00	2.10	8.00	87.10
February ...	10.10	1.20	5.90	6.70	1.10	5.80	7.75	4.70	6.20	3.00	4.5	52.90
March	4.95	9.30	3.80	4.00	9.5	2.05	4.15	4.55	6.95	1.40	3.70	45.70
April	2.10	1.65	3.35	4.90	5.70	6.30	3.10	3.00	3.60	.90	1.50	34.10
May	6.90	4.55	5.45	2.25	5.65	9.15	4.60	2.80	1.70	3.85	3.15	50.05
June	2.50	.30	2.30	1.50	3.30	.70	2.95	6.40	5.50	3.50	3.35	32.30
July	4.00	4.60	4.95	4.20	5.30	2.25	3.20	5.15	4.20	4.60	4.20	46.65
August	6.80	7.20	3.25	8.65	5.20	5.90	4.60	7.50	8.00	7.30	8.05	42.45
September...	3.50	3.05	3.15	7.05	6.50	4.25	4.30	5.95	4.65	1.50	4.40	48.30
October	3.30	6.10	3.40	7.70	5.15	5.65	8.40	7.70	8.80	7.60	7.75	71.55
November...	6.30	4.85	5.80	4.15	4.75	.90	9.30	6.50	8.80	9.50	5.60	66.45
December...	5.30	7.50	6.00	3.65	9.60	4.15	2.30	1.60	6.75	12.45	6.75	66.05
TOTALS...	63.25	59.05	54.75	61.45	58.00	53.65	64.95	62.75	81.15	57.70	56.90	673.60
	d	d	d	d	d	d	d	d	d	d	d	

1920 Gauge inspected 1913.

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 Loch VenpacharCounty of PerthObserver G. Benchilwood, C.E.River Basin S. Forth - TeithJ. Lochane H. 105 935

Type of Gauge.....

Annual Average 55.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Boyn

Diameter	8.							5				
Height	0.6	1.0										
Altitude	275.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SUMS	Means
January	5.20	8.70	7.34	8.95	2.09	5.37	7.35	10.06	5.29	1.64	61.99	
February	4.65	.05	4.81	.73	7.00	3.11	5.88	4.93	7.82	3.34	42.32	
March	1.60	3.35	3.57	3.07	2.89	4.08	2.82	3.82	4.00	4.75	33.95	
April	2.45	5.90	3.17	4.71	4.37	2.00	2.87	.70	3.01	4.19	33.67	
May	7.20	4.05	3.01	3.77	.36	1.81	2.88	5.87	1.16	1.23	31.34	
June	6.00	1.80	1.88	2.47	7.54	2.21	3.92	6.95	2.97	.59	36.33	
July	6.95	4.10	4.52	3.63	1.96	5.36	5.80	5.99	8.28	4.22	50.81	
August	1.45	3.15	4.16	5.22	4.11	3.92	6.20	3.60	2.15	1.95	35.91	
September	2.00	3.95	1.55	8.98	7.98	5.21	4.42	6.27	4.07	3.62	48.05	
October	4.55	8.32	3.40	9.28	10.78	6.60	3.99	11.58	3.40	7.86	69.76	
November	10.55	5.71	3.01	.99	4.45	4.20	1.12	11.45	10.52	8.73	60.73	
December	6.30	10.83	1.54	9.88	4.59	8.09	3.39	5.89	3.49	6.33	60.33	
TOTALS	59.20	59.91	41.96	61.68	58.12	51.96	50.64	77.11	56.16	48.45	565.19	
	2.	2	ND	D.	D.	D	D	D	D	D	D	

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

Station No. 5513

RAINFALL at Loch Venachar

41

County of Perth Observer J. Cochran, Esq., C.E.

River Basin 3-Forth-Teith T. A. B. Esq. (4042)

Type of Gauge Snowdon S.D. Connors Esq. C.E. (1946)

Annual Average 56.3 in. based on 85 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.

File No.

Diameter	5"				892	604						
Height	1'0"					1						
Altitude	275'				41	273'				275'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	SUMS	Means
January	1.30	7.09	8.11	6.40	1.98	7.74	7.20	7.33	6.27	5.71	59.13	
February	5.17	2.18	5.48	1.89	9.47	4.54	.53	8.52	5.38	7.20	50.36	
March	2.62	4.48	2.69	0.72	4.89	3.82	4.09	4.97	2.10	3.10	33.48	
April	2.11	4.31	4.22	3.71	3.34	1.22	9.00	3.84	5.40	4.17	41.32	
May	2.79	4.16	4.38	3.65	4.54	1.67	5.98	2.90	3.16	2.84	36.07	
June	1.09	1.57	7.11	4.96	5.43	5.48	5.54	6.18	2.06	2.32	41.74	
July	4.50	2.99	3.05	5.42	3.68	3.85	5.22	5.24	2.70	8.52	45.17	
August	4.67	7.93	9.18	4.18	1.78	6.42	.05	8.62	6.61	7.05	56.49	
September	2.68	8.87	5.41	5.17	7.74	8.89	6.95	9.18	2.65	11.35	68.89	
October	5.95	6.52	14.12	6.01	8.39	.87	4.55	10.19	9.20	5.70	71.50	
November	4.77	1.31	3.84	7.95	.49	8.97	8.81	5.05	5.23	3.58	50.00	
December	3.85	9.55	3.28	6.91	5.70	7.06	2.76	7.92	10.57	2.53	60.13	
TOTALS	41.50	60.96	70.87	56.97	57.43	60.53	60.68	79.94	61.33	64.07	614.28	

1949. Trees 80' high 50 yds SW.

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.
1949.			Callendar	2.25	N.E.	Callendar	2.25	N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 5513RAINFALL at Loch Vennacher

51

County of PerthObserver L. D. Canvin Esq.River Basin Forth-Tweed-3Type of Gauge SnowdonAnnual Average 55.3 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref B. J. N.
59.07 " " " " 1916-1950 1916-1950 P

File No.

Diameter ...	5"			892	604						
Height ...	1'0"				1						
Altitude ...	275'		X		51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.94	4.40	2.59	6.39	3.74	4.18	8.24	7.07	3.06	5.35	
February ...	3.97	1.54	2.20	5.68	3.77	1.98	4.25	2.51	2.17	4.67	
March ...	3.66	6.09	1.72	4.17	2.66	3.03	7.13	1.82	4.83	3.33	
April ...	4.10	2.39	3.04	2.44	3.67	1.57	2.64	1.89	5.25	5.40	
May ...	1.56	2.20	2.92	5.30	3.84	3.17	3.91	4.70	1.36	4.35	
June ...	3.04	3.58	2.93	3.75	2.98	3.41	2.31	3.13	2.72	3.58	
July ...	4.01	3.09	6.65	4.16	1.33	6.77	5.20	5.81	6.40	4.46	
August ...	6.90	5.30	3.94	7.11	1.20	6.38	5.02	7.31	2.09	4.60	
September ...	5.25	1.96	5.68	7.93	4.69	7.76	3.48	5.71	1.44	4.31	
October ...	1.59	5.15	3.29	10.00	4.77	3.82	6.71	5.76	5.80	5.22	
November ...	7.85	2.33	7.46	9.50	2.98	1.58	1.67	2.46	7.29	7.10	
December ...	8.95	5.74	6.98	8.43	9.55	7.61	8.13	6.52	10.70	7.47	
TOTALS ...	56.82	43.77	49.40	74.76	44.98	51.16	58.69	54.69	53.11	59.84	
	D	D	D	D	D	D	D	D	N.P.	N.P.	

1951. Incessant soft high S.W. gale.

Ins. Oct. 1960 S. Shaw Site on extensive stretch of flat land at E end of Loch
Badly q/c to WSW where there is a large patch over Loch and
points to NE. Q's to S.W. by clump of trees. Effective diameter of funnel
reduced by paint. Move to very good site on lawn in front of
brewers house. The tallest trees in the S.W. of present site and WSW?
proposed site will be cut down. 1959 N.P. low. 1960 N.P. on map, kept.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference NN(27) 598064

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Callander	2ml.	NE.	Callander	2ml.	N.E.

Summary of Earlier Records from 10-year Sheets:

1916-1950, P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ 14.15, 17-19.	✓ d	✓ but d 31-32	✓	✓