

# RAINFALL AT Edinchip, Balgubhadder

Lat.  $5^{\circ} 22' 22''$  N

Long.  $4^{\circ} 18' 15''$  W

County of Perth

18 JAN 1913

Rain Gauge, by Howard  
Tay, bar - 7.

Observed by John Campbell  
Gardner

Diameter ....	5 inch											
Height .....	12 inches											
Altitude ....	<sup>538</sup> 542 feet											
Year .....	<del>1890</del> 1910 <del>1911</del> 1911	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.		
January ....	8.59 4.73						2.11	6.63	9.86			
February ....	8.61 11.95						6.62	8.79	5.55			
March .....	5.08 2.47						11.87	3.94	5.49			
April .....	7.07 5.25						4.50	6.97	5.87			
May .....	2.93 4.70						3.62	3.97	4.16			
June .....	3.71 4.16						6.23	3.14	2.54			
July .....	6.88 3.78						3.73	2.00	4.75			
August .....	11.40 6.74						10.52	6.34	1.84			
September....	1.64 2.54						5.67	8.03	5.91			
October .....	4.03 5.14						4.86	6.70	6.55			
November....	4.37 10.50						5.98	9.33	14.87			
December ....	10.09 14.51						10.77	15.15	5.71			
TOTALS . . .	74.40 76.47						76.48	80.49	73.10			

Entered 18.XI.13.

80.99

1898. Dec. cor. by surr. stats. Total corrected also for aulth.

18.XI.13.

Original sheet received from Obs. 18.I.13.

# RAINFALL AT Fedinchip Balquhadder

Lat. 56° 22' 22" N

Lon. 4° 18' 15" W County of Perth

Howard Rain Gauge, by

Observed by

Sir Malcolm MacGregor, Bart.

Day - Sam - 7.

Gardener

Diameter ...	5 inch										
Height .....	12 inches										
Altitude ...	538 (Cor. 100 ft. 1913) <del>542 feet</del>										
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	9.40	5.98	6.26	13.57	7.50	5.39	12.38	5.27	8.58	9.40	
February ...	3.88	2.02	1.98	13.52	6.05	5.60	5.30	7.02	5.97	2.94	
March .....	0.79	4.07	4.80	17.33	3.83	8.25	6.06	6.68	8.10	2.34	
April .....	4.31	5.90	4.62	2.69	10.56	3.76	2.69	4.98	1.67	6.67	
May .....	7.49	4.24	2.88	2.16	5.09	3.01	6.00	6.79	3.08	5.31	
June .....	4.47	5.73	2.83	3.12	4.70	3.57	1.48	5.71	3.41	3.03	
July .....	3.56	4.83	3.63	5.51	4.36	3.67	4.16	2.89	4.76	3.78	
August .....	5.21	4.65	3.36	9.31	7.68	4.42	7.31	8.00	5.87	3.61	
September ..	4.99	6.66	5.11	6.94	7.03	3.85	3.17	2.12	2.94	2.53	
October ...	8.54	6.63	4.91	14.03	3.75	5.10	11.48	5.82	2.49	12.37	
November ...	6.28	3.56	8.97	5.24	2.59	9.53	7.28	5.89	6.38	4.31	
December ...	16.23	8.57	10.70	7.23	8.30	6.92	5.46	8.36	8.12	7.26	
TOTALS ...	75.15	62.84	60.05	100.62	71.44	63.17	72.77	69.53	67.37	63.61	

Original sheet received from Observer 18.I.13.

RAINFALL at Locheearnhead, EdenshipCounty of PerthObserver Sir Malcolm MacGregor Bart.  
Rev. J. CampbellRiver Basin Lay-barn 7Howard Rain Gauge, by  
(test) (Cs. 1.VII.13)

Diameter ...			5								
Height .....			1 0								
Altitude ...			538	513							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	8.59	4.73	11.42	(9.55)							
February ...	8.61	11.95	7.13	(7.29)							
March .....	5.08	2.47	8.64	12.22							
April .....	7.07	5.25	3.00	7.06							
May .....	2.93	4.70	2.27	8.06							
June .....	3.71	4.16	7.79	4.69							
July .....	6.88	3.78	3.06	.67							
August .....	11.40	6.74	5.72	1.62							
September ..	1.64	2.54	4.00	4.72							
October ...	4.03	5.14	7.30	5.75							
November ..	4.37	10.50	7.67	9.76							
December...	10.09	14.51	(20.91)	5.73							
TOTALS ...	74.40	76.47	(88.91)	(77.12)							

1912. Dec. corrected for overflow.

1897-1911 Received I. 13. Entered 18. XI. 13.

1912 April 1st Gauge moved 300 yards.

Inspected Cs. 1.VII.13. G. in open field no shelter. Was till 1.IV.13 200 yds SW of present position. Trees slightly sheltered by high conifer about 60 ft S. Old glass compared by obs with new, which was certified. New g. stands alongside old g.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	56° 22' 22"	4° 18' 15"	Balquhider	1500 yds.	58° W.			
1913	56° 12' 20"	4° 18' 4"						



RAINFALL at Lokeamhead EdinshipCounty of PerthObserver Capt. Malcolm Macfayn BawRiver Basin Tay. East 7Copper Smelter tested Rain Gauge, by N 47.  
no. 3299

Diameter ...				5					5		
Height .....				1 0					1 0		
Altitude ...				513	542	542			542	513	
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1916-19
January ...				(9.93)	5.93	5.71	(1380)	240	5.78	5.43	2741
February ...				6.95	11.44	12.12	(910)	100	9.90	.99	2097
March .....				11.15	7.59	2.99	(210)	320	2.26	5.61	1317
April .....				6.79	4.79	4.79	(590)	180	1.18	4.31	1319
May .....				7.73	2.79	1.85	(500)	300	3.83	1.95	1358
June .....				4.28	1.17	1.86	(230)	240	2.99	3.87	1156
July .....				.60	2.92	3.53	(420)	170	5.14	1.21	1225
August .....				1.53	4.48	4.47	(275)	750	3.61	3.48	1734
September ..				4.53	2.43	2.65	(125)	560	8.11	4.95	1991
October ...				5.45	2.76	4.38	(1160)	1100	9.70	1.12	3342
November ...				9.23	10.48	3.19	(1600)	1100	9.39	9.20	3759
December...				5.44	14.41	8.63	(750)	340	8.26	13.09	3225
TOTALS ...				(73.81) D	91.19 D	56.17 D	(7530) NR	(5400)	70.15 D	52.99 D	25264

59

93704 5526  
return

100:93 (100-1915)

† 1. VII. 13 Cl. In open field, no shelter - beside of road.  
1914. Tree (various) all more than twice height away.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913	56° 22' 20"	4° 18' 4"	Balgukhadden	1 m	W	Balgukhadden	4 m.	W.
1914	56° 22' 22"	4° 18' 15"	1918	4 m				
1919			?	1500'	S. 15° W.	?	2 mi 1400'	S. 70° W.

RAINFALL at Lochearnhead, EdinchipCounty of PethObserver Sir Malcolm Macgregor <sup>S. Macgregor</sup>River Basin Tay. Earn 7Snowdon Rain Gauge, by N. 2 1/2  
M.R?

Diameter ...	5"			5"								
Height .....	1 0			1 0								
Altitude ...	573			513								
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.	MEANS.
January ...	11.43	10.99	9.89	8.20	5.96	9.38	15.73	10.13	16.60	1.94	11.68	11.93
February ...	13.14	1.60	7.61	11.39	1.81	7.86	7.79	3.66	8.49	2.47	.99	6681
March .....	8.10	12.20	3.47	3.60	.71	2.71	6.63	5.47	11.38	1.26	4.25	5978
April .....	3.44	.98	4.54	5.46	3.96	6.83	3.62	4.41	5.25	2.08	2.45 3.04	4302
May .....	8.87	4.66	5.22	2.54	6.43	9.20	4.79	2.80	1.74	5.45	3.93 4.05	5474
June .....	2.01	.67	2.75	1.39	3.16	.90	5.93	4.71	5.85	2.96	4.05 8.39	3426
July .....	4.76	5.03	4.65	4.66	6.28	2.32	3.49	4.42	3.73	3.53	8.39 5.70	4692
August .....	5.83	6.89	3.12	7.80	4.00	4.42	4.80	7.54	6.67	6.44	5.70 11.68	6590
September...	2.79	3.44	3.17	8.85	7.98	4.06	4.63	6.43	5.32	2.13	11.68 6.74	5430
October .....	5.64	5.83	3.22	10.74	5.34	7.34	4.46	8.18	11.19	8.02	6.74	8463
November...	8.80	4.84	4.89	5.57	4.86	.98	11.89	8.18	7.77	9.18	87.4	7570
December...	7.21	11.47	7.80	4.88	13.43	5.75	3.32	2.37	7.93	16.47	76.4	8827
TOTALS...	92.02	68.60	60.33	75.08	63.92	61.75	80.03	68.30	91.91	61.93	72.54	78646
	D	D	D	D	D	D	D	D	D	D	D	D

1931. There are no more data for gauge

776

5542 1881-1915 av. = 62.1

Peth 62.1 : 69.0

= 100 : 111

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

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° 22' 20"	4° 15' 44"	Balquhiddin	1500 yds	S 15° W	Balquhiddin	2 mi 1400 yds	S 70° W

RAINFALL at Locheanhead (Edinburgh)County of FifeObserver St. Malcolm MacGugor, B.C.River Basin 7- Tay - EarnType of Gauge SnowdonAnnual Average 69.0 in. based on 18 years obs. yr.-weighted. Period of average 1881-1915 Ref. S  
computed x 1.57

Diameter	5											
Height	1.0											
Altitude	513											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.24	14.36	9.32	12.95	3.01	7.20	14.29	12.39	4.93	.62	8.437	
February	6.13	.22	5.93	1.11	9.68	3.45	8.02	6.13	9.29	2.89	5.282	
March	1.65	2.86	4.85	4.82	3.28	4.21	3.64	6.10	5.66	4.83	4.192	
April	3.30	6.94	3.29	6.20	4.67	1.84	4.20	.67	3.78	5.00	3.989	
May	5.84	3.74	2.97	3.96	.59	2.44	3.55	4.89	1.55	1.42	3.095	
June	6.09	2.18	1.86	2.35	6.48	2.50	3.40	6.79	2.51	.67	3.483	
July	6.44	5.52	4.05	3.78	1.85	7.99	4.38	4.98	7.59	5.08	5.169	
August	2.58	3.29	3.79	5.91	3.92	3.13	5.04	3.14	2.49	2.10	3.509	
September	2.06	3.82	2.52	9.70	8.82	4.39	4.41	4.27	3.48	3.33	4.680	
October	5.35	9.52	6.32	10.04	13.58	8.88	4.00	12.47	7.31	10.25	8.778	
November	13.08	7.17	4.55	1.72	7.49	4.78	.83	14.65	12.44	9.46	7.587	
December	7.83	14.76	1.68	16.37	4.32	12.90	2.75	7.88	3.91	7.96	8.086	
TOTALS	65.62	74.38	51.13	78.91	67.66	63.71	58.57	84.36	64.36	53.61	66.231	
	D	D	D	D	D	D	D	D	D	D	D	

*No tree within twice its own height from the gauge.*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
			Balguthidder	1500 <sup>+</sup>	S 15° W	Balguthidder	2+1400 <sup>+</sup>	S 70° W



Station No.

5543

RAINFALL at Locheanhead (Edichip)

41

County of PerthObserver Sir Malcolm MacGregor, Bt.River Basin 7-Tay-EarnType of Gauge SnowdonAnnual Average 69.0 in. based on 18 years obs. wt-weighted. Period of average 1881-1916 Ref. S.

File No.

Diameter	5"				879	471					
Height	1' 0"					1					
Altitude	513'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.72	5.95	10.09	7.49	(3.10)	12.21	9.04	9.94	8.76	5.31	7361
February	6.27	2.31	7.71	2.79	11.45	3.88	(1.00)	8.62	9.05	8.09	6117
March	1.97	5.60	4.79	1.08	5.62	4.05	(5.06)	8.48	3.18	4.98	4481
April	2.47	4.99	5.30	4.27	3.36	2.40	12.80	4.91	6.44	4.84	5178
May	3.35	5.45	3.81	4.38	5.39	2.05	6.64	3.45	3.39	2.73	4064
June	1.01	2.25	4.71	4.58	5.10	4.06	4.68	6.19	2.33	2.60	3751
July	3.71	4.29	3.50	3.41	3.65	4.44	5.23	4.88	2.09	8.35	4255
August	4.75	6.92	8.17	6.43	2.13	5.40	.05	10.23	5.95	9.58	5961
September	2.46	8.89	5.30	5.32	8.70	8.90	7.11	9.43	2.60	12.20	7091
October	6.61	8.30	15.07	7.27	7.58	.79	4.20	10.10	9.40	7.88	7720
November	9.12	1.49	4.69	9.55	.76	9.39	11.13	5.01	6.89	4.60	6263
December	5.44	13.71	3.69	9.37	8.72	8.05	3.01	12.67	13.67	2.37	8070
TOTALS	48.88	70.15	76.83	65.94	65.56	65.62	69.95	93.91	73.75	73.53	70412

1945 Jan. part est'd. for snow.

4000+

3000+

1947 Feb. &amp; Mar. est'd. for snow

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.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Lakeannhead (Chinchip) Station No. 5543

51

County of Puth Observer Lie Malcolm MacGregor, Lt.River Basin Fay - Barn - 7 The Hon Lady MacGregor,Type of Gauge SnowdonAnnual Average 69.8 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. S6873 " " 35 " " 1916-1950 File No. 1916-1950 P

Diameter ...	5"				879	471						
Height ...	1'6"					1						
Altitude ...	513'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	6.69	5.74	3.28	8.18	3.84	8.50	12.54	7.96	3.53	5.23		
February ...	4.54	2.59	3.39	6.12	2.47	2.46	6.88	4.39	2.85	7.20		
March ...	4.85	5.03	1.85	5.30	1.82	5.17	6.68	2.51	6.57	3.04		
April ...	5.97	3.95	4.17	2.20	5.66	2.41	2.72	2.70	5.75	8.54		
May ...	2.09	4.12	4.72	5.73	4.24	4.65	3.04	5.15	2.42	4.30		
June ...	3.14	4.85	3.98	3.45	2.71	4.86	2.44	5.02	3.80	2.30		
July ...	3.11	2.46	5.21	2.89	1.10	6.45	4.65	6.48	5.43	4.64		
August ...	7.49	4.70	2.87	5.37	1.42	6.44	6.04	7.07	3.21	5.41		
September ...	6.59	3.03	8.78	6.86	4.95	7.78	4.26	6.44	1.61	4.65		
October ...	2.20	(7.18)	5.24	11.11	5.63	5.34	6.26	6.47	8.07	8.48		
November ...	14.30	2.50	10.36	12.86	3.77	2.78	2.99	2.92	10.03	9.21		
December ...	9.62	5.84	7.56	11.89	10.87	11.67	11.24	10.05	12.45	8.10		
TOTALS ...	70.59	51.99	62.01	81.96	46.48	68.51	69.74	67.16	65.76	71.30		
	d	d	d	d	NP.	NP.	NP.	D	D	D		

1956 NP. Loc. Ins. 10.9.58 G. sound. Exp. good generally but a little obs to NW by tree (elev 300). Gentle slope to S but plenty of shelter there

00064

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference WN(27) 57122 #3

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

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
	1910-19 13-15, 18-19 D 13-15, 18-19	✓	✓	✓	✓ but d 42