

RAINFALL at

Gairloch (Opinan).

County of Ross & Cromarty

Observer A. Mackenzie

River Basin S. Lochs Ewe - Gordon etc.

Type of Gauge Howard M.O. (1928)

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

Ref

Diameter			5"									
Height			10"									
Altitude			50'									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January			5.36	4.71	4.14	2.54	4.04	4.60	3.10	.82		
February			4.62	1.90	4.79	1.92	4.51	3.73	6.33	2.56		
March			1.73	2.16	4.39	1.81	1.42	5.64	3.67	1.97		
April			3.41	3.54	2.16	1.54	.78	1.08	2.72	2.40		
May			1.05	2.23	1.79	1.22	1.81	4.19	1.29	1.55		
June			2.53	3.03	3.48	.99	1.99	4.26	1.31	2.41		
July			2.56	4.79	2.86	3.73	3.42	3.07	7.84	6.21		
August			5.91	3.90	4.53	3.56	2.68	4.00	1.34	4.40		
September			.74	6.59	7.28	3.36	4.48	4.86	2.28	3.30		
October			4.00	7.36	7.14	6.08	2.43	9.22	1.23	4.55		
November			3.25	3.60	2.62	3.23	1.23	8.51	5.79	5.42		
December			2.13	4.29	3.46	5.48	2.19	5.20	1.83	4.04		
TOTALS			37.50	47.10	48.64	35.46	31.28	58.24	38.73	39.63		
			lawn comp.	lawn comp.	no lawn comp.							

1933. lawn comp.

1934. Hilltop 100' high 800+5.2.

1938. M.O. gauge supplied on lawn (see env. no 45 A 8-727947/38) not printed low.

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
1933			Achnasheen	34m	S.E.	Gairloch	9m	E
1934 (measured from survey)			Achnasheen	26m	E.S.E	Gairloch	4m	NE.

RAINFALL at GAIRLOCH (OPINAN) new g.

County of ROSS & CROMARTY Observer H. Mackenzie

River Basin 8-Loch Ewe - Loch Torridon &c.

Type of Gauge ~~W.H. 250 mm~~

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

Diameter										5"	
Height										1'	
Altitude										50'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January										3.13	.83
February										6.40	2.77
March										3.65	2.06
April										2.75	2.55
May										1.38	1.70
June										1.30	2.45
July										7.84	6.29
August										1.37	4.70
September										(4.80)	2.32
October										9.43	1.23
November										8.59	6.06
December										5.18	1.85
TOTALS										39.28	4.47

New gauge on loan from M.O. - set up 2 feet from old 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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON. S.W.7.

Station No.....

578417

RAINFALL at Gairloch (Oban) 2d gauge

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County of Ross & Cromarty Observer H. MacKenzie

River Basin 8-Locks Ewe-Torridon & C.

Type of Gauge..... ①

Annual Average 43.8 in. based on 8 years obs. un-weighted. Period of average 1931-1945 Ref. S

File No.

Diameter	5"				711	841					
Height	1' 6"						1				
Altitude	50'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.09	2.86	3.75	4.86	3.16	3.29					
February	3.63	2.27	4.39	2.01	3.22	-100					
March	1.42	1.86	2.51	3.98	2.91						
April	2.12	1.19	3.49	1.38	1.10						
May	.51	1.57	2.81	2.43	2.96						
June	.93	2.36	3.52	4.40	4.19						
July	5.27	5.13	3.54	1.42	2.63						
August	5.74	6.22	4.37	4.65	2.34						
September	2.36	5.38	3.99	3.43	4.94						
October	3.96	6.93	5.70	5.52	3.81						
November	3.05	2.66	4.17	4.53	.80						
December	3.51	5.66	1.90	5.26	3.53	-100					
TOTALS	33.59	42.97	44.14	43.87	35.59	-100					
	np	np	np	np	np	np					

1941 np check.

1942 np check.

1943 np check.

1944 np check.

1945 np check.

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Position of Station on reduced Ordnance Survey Map, | No. of Map.....

Reference No. 18-745729

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

RAINFALL at Crossderry (Keit Castle)
 County of Cavan R.C. Observer D. F. P. Smith
 River Basin Erne
 Type of Gauge Gaugeless

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

File No. 71-7326/27

Diameter	5	71 843									
Height	10	1									
Altitude	211	41 60'									
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January								-100	224	368	461
February								019	346	356	290
March								148	346	145	279
April								416	314	307	290
May								127	171	256	082
June								290	224	141	397
July								226	234	134	281
August								-100007	376	530	363
September								406	770	609	348
October								062	224	476	437
November								420	654	476	327
December								322	296	447	986
TOTALS								-100	3401	4387	44284102

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	Parish Church.	Distance from gauge

Station No. 5784/8

RAINFALL at Gairloch (Opinan) 1947

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County of Ross & Cromarty Observer H. Mackenzie

River Basin S-Loch Eas-Loch Taridon & C. Miss R. Macaulay (Sept. 1946)

Type of Gauge.

Annual Average 44.2 in. based on 4 years obs. un-weighted. Period of average 1941-1945 Ref. S

File No.

Diameter	5'	711	842								
Height	1' 0"		1								
Altitude	50'		41		60'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.18	2.98	4.04	5.21	3.38	3.42	2.24	3.68	4.61	3.95	
February	3.95	2.40	4.68	2.30	3.30	-100	1.19	3.46	3.56	2.90	
March	1.43	1.89	2.83	4.19	2.97		1.48	3.46	1.45	2.79	
April	2.24	1.21	3.65	1.40	1.25		4.16	3.14	3.07	2.90	
May	.52	1.59	2.89	2.47	2.96		1.27	1.71	2.56	.82	
June	.97	2.67	3.57	4.51	4.45		2.90	2.24	1.41	3.97	
July	5.32	5.39	3.63	1.47	2.67		2.26	2.34	1.34	2.81	
August	5.87	5.30	4.43	4.77	2.36	-100	.07	3.76	5.30	3.63	
September	2.42	5.11	4.14	3.70	5.25	-100	7.70	6.09	3.48	6.15	
October	4.25	7.27	6.05	6.88	3.89	-100	2.24	4.76	4.37	3.91	
November	3.30	2.90	4.81	4.69	.80	-100	6.54	4.76	3.27	4.40	
December	3.88	5.92	1.99	6.52	3.63	-100	2.96	4.47	9.86	2.79	
TOTALS	3633	45.29	46.71	46.11	36.91	-100	64.01	43.87	46.28	44.02	

1946 Long. measure transferred to Miss R. Macaulay, 1947

1946. Gauge moved 500yds N. 2° Sept. - Hills 20' high 30° N. Copied on card sheet for
1947 measure taken 17.12.49 - n.p. 10.0.1950. u.s.lw. Gauge tested in July & found sound. From April-June rain
from gauge collected by children. Jan adv. ref. surv. stat. Moloden states
"we have done all we can by correspondence"

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map..... Reference No. 18-745 729

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1946			Achnashen	3 miles	E	Gairloch	8 miles	N.E.

Station No. 578418

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RAINFALL at Gairloch (Opinan)

County of Ross & Cromarty Observer Miss R Macaulay

River Basin 8 - Loch Lize, Loch Torridon &c

Type of Gauge M.O. (61091.2)

Annual Average 46.2 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. F 10000/49.

Diameter ...	5"		711	843							
Height ...	1' 0"				1' 0' 8"		1' 0"				
Altitude ...	60'				51	100'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	11.50	(7.61)	3.04	4.40	3.04	4.71	7.45				
February	2.19	(4.95)	3.07	3.49	3.46	3.13	3.56				
March	2.61	(4.00)	1.71	3.64	1.62	.99	-100				
April	3.58	(3.50)	4.53	1.54	2.05	.94					
May	0.93	2.55	2.99	3.58	2.67	5.50					
June	1.51	2.89	1.89	4.31	2.89	2.35					
July	3.43	2.62	4.90	3.47	1.04	4.89					
August	3.80	(4.60)	6.10	2.93	.85	3.99					
September	3.00	4.49	3.97	5.63	6.76	2.77					
October	3.78	4.09	4.26	7.84	6.28	5.80					
November	3.97	4.18	11.33	5.98	1.48	5.56					
December	5.18	6.02	4.72	5.39	5.61	5.84	-100				
TOTALS	38.42	(51.50)	52.51	52.10	38.05	46.17	-100 we				
np. clear.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					

1952 n.p. too much east.

1953 Letter from M.O. Edinburgh referring change of custodian from Aug 1953

1953. n.p. low.

Mar. Sept 1956. G sound. Rain to be raised to 1' 0". Slope down

1954. gauge leaking in top (will be removed) to 5' 5" and steep slope up to N. To be moved 100' to S with

1954. n.p. gauge leaking.

any ditch with ridge to south.

1955. n.p. low. Oct 1956. G. moved to new site.

14204

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 181/746729.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1946			Achnasheen	30 w 1E	Gairloch	8 w N.E.

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C and 1908	1941-45 D 1946 imp 1947-48 D 1949-50 imp	